

Datasheet for ABIN5518929  
**anti-IL-22 antibody (AA 34-179)**



[Go to Product page](#)

1 Image

## Overview

|                      |                                                          |
|----------------------|----------------------------------------------------------|
| Quantity:            | 100 µg                                                   |
| Target:              | IL-22 (IL22)                                             |
| Binding Specificity: | AA 34-179                                                |
| Reactivity:          | Human, Mouse, Rat                                        |
| Host:                | Rabbit                                                   |
| Clonality:           | Polyclonal                                               |
| Conjugate:           | This IL-22 antibody is un-conjugated                     |
| Application:         | Western Blotting (WB), ELISA, Immunohistochemistry (IHC) |

## Product Details

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:                    | Anti-IL-22/IL22 Antibody Picoband®                                                                                                                                                                                                                                                                                                                                                                                      |
| Immunogen:                  | E. coli-derived human IL-22 recombinant protein (Position: A34-I179). Human IL-22 shares 81.4% amino acid (aa) sequence identity with mouse IL-22.                                                                                                                                                                                                                                                                      |
| Isotype:                    | IgG                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Cross-Reactivity (Details): | No cross-reactivity with other proteins.                                                                                                                                                                                                                                                                                                                                                                                |
| Characteristics:            | Anti-IL-22/IL22 Antibody Picoband® (ABIN5518929). Tested in ELISA, IHC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance. |
| Purification:               | Immunogen affinity purified.                                                                                                                                                                                                                                                                                                                                                                                            |

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | IL-22 (IL22)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Alternative Name: | IL22 ( <a href="#">IL22 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Background:       | <p>Synonyms: Interleukin-22,IL-22,Cytokine Zcyto18,IL-10-related T-cell-derived-inducible factor,IL-TIF,IL22,ILTIF, ZCYTO18,UNQ3099/PRO10096,</p> <p>Tissue Specificity: Expressed in keratinocytes of epidermis and hair follicle (PubMed:27907090). Expressed strongly in microvascular invasion (MVI) formation, basal-like breast cancer (BLBC) and hepatocellular tumors (PubMed:20406990, PubMed:22991501). Expressed in breast cancers (at protein level) (PubMed:26565916). Expressed in hematopoietic cells (PubMed:8499623).</p> <p>Background: Interleukin-22 (IL-22), also known as ILTIF, is protein that in humans is encoded by the IL22 gene. IL-22 a member of a group of cytokines called the IL-10 family or IL-10 superfamily, a class of potent mediators of cellular inflammatory responses. Using FISH, the IL22 gene is mapped to chromosome 12q15, close to the IFNG and the herpesvirus saimiri-induced AK155 genes. IL-22 can contribute to immune disease through the stimulation of inflammatory responses, S100s and defensins. It also promotes hepatocyte survival in the liver and epithelial cells in the lung and gut similar to IL-10. In some contexts, the pro-inflammatory versus tissue-protective functions of IL-22 are regulated by the often co-expressed cytokine IL-17A.</p> |
| Molecular Weight: | 24 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Gene ID:          | 50616                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

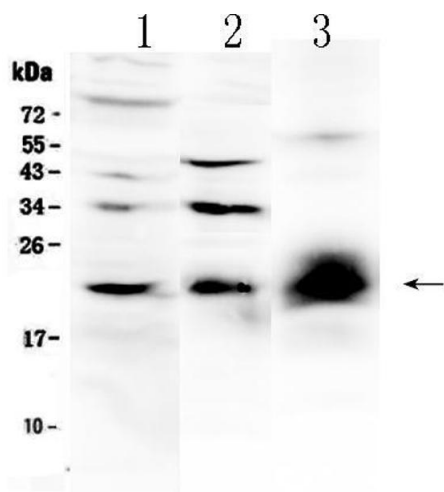
## Application Details

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | <p>Western blot, 0.1-0.5 µg/mL, Human, Mouse, Rat</p> <p>Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human, Mouse</p> <p>ELISA(Cap) , 1-5 µg/mL, Human,1. Dumoutier, L., Van Roost, E., Ameye, G., Michaux, L., Renauld, J.-C. IL-TIF/IL-22: genomic organization and mapping of the human and mouse genes. Genes Immunity 1: 488-494, 2000. 2. Moore KW, de Waal Malefyt R, Coffman RL, O'Garra A (2001). "Interleukin-10 and the interleukin-10 receptor". Annu. Rev. Immunol. 19: 683-765.</p> |
| Comment:           | We recommend Enhanced Chemiluminescent Kit with anti-Rabbit IgG (ABIN921124) for Western blot.                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

Handling

|                  |                                                                                                                                                                                                          |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Format:          | Lyophilized                                                                                                                                                                                              |
| Reconstitution:  | Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.                                                                                                                                   |
| Concentration:   | 500 µg/mL                                                                                                                                                                                                |
| Buffer:          | Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na2HPO4.                                                                                                                                       |
| Storage:         | 4 °C,-20 °C                                                                                                                                                                                              |
| Storage Comment: | Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month.<br>It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles. |

Images



Western Blotting

**Image 1.** Western blot analysis of IL-22 using anti-IL-22 antibody . Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each Lane was loaded with 50ug of sample under reducing conditions. Lane 1: human HepG2 whole cell lysate, Lane 2: mouse HEPA1-6 whole cell lysate, Lane 3: rat PC-12 whole cell lysate, After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-IL-22 antigen affinity purified polyclonal antibody (Catalog # ) at 0.5 µg/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for IL-22 at approximately 22KD. The expected band size for IL-22 is at 20KD.