

Datasheet for ABIN3044140
anti-IL-3 antibody (N-Term)



[Go to Product page](#)

2 Images

Overview

| | |
|----------------------|---|
| Quantity: | 100 µg |
| Target: | IL-3 |
| Binding Specificity: | AA 119-140, N-Term |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This IL-3 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC) |

Product Details

| | |
|-----------------------------|---|
| Purpose: | Anti-Interleukin-3 IL3 Antibody Picoband® |
| Immunogen: | A synthetic peptide corresponding to a sequence at the N-terminus of human IL-3. |
| Sequence: | KDGDWNEFRR KLTFYLKTLE NA |
| Isotype: | IgG |
| Cross-Reactivity (Details): | No cross-reactivity with other proteins |
| Characteristics: | Anti-Interleukin-3 IL3 Antibody (ABIN3044140). Tested in IHC, WB applications. This antibody reacts with Human. 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. |

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: IL-3

Alternative Name: IL3 ([IL-3 Products](#))

Background: Synonyms: Interleukin-3,IL-3,Hematopoietic growth factor,Mast cell growth factor,MCGF,Multipotential colony-stimulating factor,P-cell-stimulating factor,IL3, Tissue Specificity: Activated T-cells, mast cells, natural killer cells.

Background: The gene IL-3 encodes interleukin 3, a hematopoietic colony-stimulating factor (CSF) that is capable of supporting the proliferation of a broad range of hematopoietic cell types. Interleukin-3 (IL-3), a protein of 140 amino acids, is chemically synthesized by means of an automated peptide synthesizer and is shown to have the biological activities attributed to native IL-3. The cDNA sequence for murine interleukin-3, one of the colony stimulating factors that regulate haematopoiesis, codes for a polypeptide of 166 amino acids including a putative signal peptide. The mouse IL 3 gene is located on chromosome 11. The human gene encoding IL 3 is tandemly arrayed on the long arm of chromosome 5.5 The standard product used in this kit is recombinant human IL-3, consisting of 133 amino acids with the molecular mass of 15KDa.

Sequence Similarities: Belongs to the IL-3 family.

Molecular Weight: 15 kDa

UniProt: [P08700](#)

Pathways: [JAK-STAT Signaling](#), [Regulation of Carbohydrate Metabolic Process](#), [Autophagy](#)

Application Details

Application Notes: Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL, Human Western blot, 0.1-0.5 µg/mL, Human

1. Yang YC, Ciarletta AB, Temple PA, Chung MP, Kovacic S, Witek-Giannotti JS, Leary AC, Kriz R, Donahue RE, Wong GG (October 1986). "Human IL-3 (multi-CSF): identification by expression cloning of a novel hematopoietic growth factor related to murine IL-3". Cell 47 (1): 3-10. 2. Webb, G. C., Lee, J. S., Campbell, H. D., Young, I. G. The genes for interleukins 3 and 5 map to the same locus on mouse chromosome 11. Cytogenet. Cell Genet. 50: 107-110, 1989.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

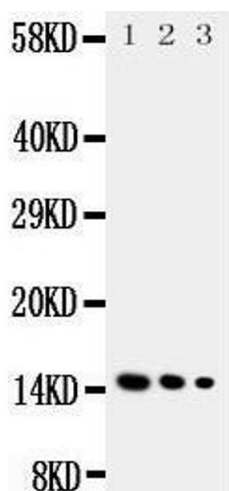
Application Details

Restrictions: For Research Use only

Handling

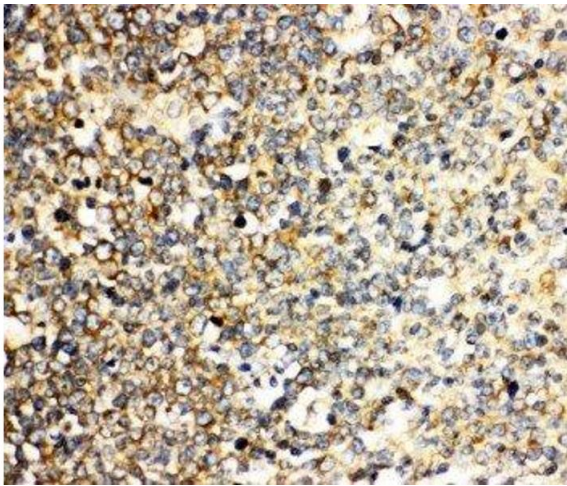
| | |
|--------------------|--|
| Format: | Lyophilized |
| Reconstitution: | Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL. |
| Concentration: | 500 µg/mL |
| Buffer: | Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg Sodium azide. |
| Preservative: | Thimerosal (Merthiolate), Sodium azide |
| Precaution of Use: | This product contains Thimerosal (Merthiolate) and Sodium azide: POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freezing and thawing. |
| 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. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles. |
| Expiry Date: | 12 months |

Images



Western Blotting

Image 1.



Immunohistochemistry

Image 2. Anti-IL3 antibody, IHC(P) IHC(P): Human Tonsil Tissue