

Datasheet for ABIN6991937
anti-IL-22 antibody (AA 90-140)



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Overview

Quantity:	0.1 mg
Target:	IL-22 (IL22)
Binding Specificity:	AA 90-140
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL-22 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Immunogen:	IL-22 antibody was raised against a 17 amino acid peptide near the center of human IL-22 . The immunogen is located within amino acids 90 - 140 of IL-22.
Isotype:	IgG
Specificity:	IL-22 antibody is human, mouse, and rat reactive. Multiple isoforms of IL-22 are known to exist.
Purification:	IL-22 antibody is affinity chromatography purified via peptide column.

Target Details

Target:	IL-22 (IL22)
Alternative Name:	IL-22 (IL22 Products)
Background:	Interleukin-22 (IL-22) is a cytokine important for the modulation of tissue responses during

Target Details

inflammation (1). Unlike the distantly related IL-10, IL-22 does not inhibit the production of proinflammatory cytokines in monocytes in response to LPS, but it has some inhibitory effects on IL-4 production from Th2 T cells. IL-22 is expressed by both the adaptive arm of the immune system such as CD4 T cell subsets including Th17 cells, as well as by innate lymphocytes such as NK and LTI-like cells (2). IL-22 is highly expressed in several chronic inflammatory conditions, and studies suggest that IL-22 plays both inflammatory and protective roles (3).

Molecular Weight: Predicted: 20 kDa

Observed: 17 kDa

Gene ID: 50616

NCBI Accession: [NP_065386](#)

UniProt: [Q9GZX6](#)

Application Details

Application Notes: IL-22 antibody can be used for detection of IL-22 by Western blot at 0.5 µg/mL. Antibody can also be used for Immunocytochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL.

Antibody validated: Western Blot in human samples, Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: IL-22 antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: IL-22 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.