

Datasheet for ABIN6991820
anti-IL-15 antibody (AA 50-100)



[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	IL-15 (IL15)
Binding Specificity:	AA 50-100
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL-15 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Rabbit polyclonal IL-15 antibody was raised against a 13 amino acid peptide near the center of human IL-15. The immunogen is located within amino acids 50 - 100 of IL-15.
Isotype:	IgG
Specificity:	At least two isoforms of IL-15 are known to exist.
Purification:	IL-15 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	IL-15 (IL15)
Alternative Name:	IL-15 (IL15 Products)
Background:	IL-15 Antibody: Interleukin 15 (IL-15) is a cytokine that regulates T and natural killer cell

Target Details

activation and proliferation. This cytokine and IL-2 share many biological activities as both have been found to bind common hematopoietin receptor subunits, and may compete for the same receptor, and thus negatively regulate each other's activity. The number of CD8+ memory cells is shown to be controlled by a balance between IL-15 and IL-2. This cytokine induces the activation of JAK kinases, as well as the phosphorylation and activation of transcription activators STAT3, STAT5, and STAT6. In mouse, studies suggest that IL-15 may increase the expression of apoptosis inhibitor Bcl-xL, possibly through the transcription activation activity of STAT6, and thus prevent apoptosis.

Molecular Weight: 18 kDa

Gene ID: 3600

NCBI Accession: [NP_000576](#)

UniProt: [P40933](#)

Pathways: [JAK-STAT Signaling](#), [Glycosaminoglycan Metabolic Process](#)

Application Details

Application Notes: IL-15 antibody can be used for detection of IL-15 by Western blot at 1 - 2 µg/mL.

Antibody validated: Western Blot in rat samples and Immunohistochemistry 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-15 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-15 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.