

IL-15 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10861**Specification**

IL-15 Antibody - Product Information

Application	WB
Primary Accession	P97604
Other Accession	NP_037261
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	18804

IL-15 Antibody - Additional Information**Gene ID** 25670

Application & Usage	Western blot analysis (0.5-4 µg/ml). However, the optimal conditions should be determined individually.
---------------------	--

Other Names

IL-15, IL15, IL 15, Interleukin-15, Interleukin 15, interleukin

Target/Specificity

IL-15

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.5 mg/ml) immunoaffinity purified rabbit anti-rat IL-15 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA, 0.02% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

IL-15 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

IL-15 Antibody - Protein Information

Name IL15

Function

Cytokine that stimulates the proliferation of T-lymphocytes. Stimulation by IL15 requires interaction of IL15 with components of the IL2 receptor, including IL2RB and probably IL2RG but not IL2RA (By similarity). In neutrophils, stimulates phagocytosis probably by signaling through the IL15 receptor, composed of the subunits IL15RA, IL2RB and IL2RG, which results in kinase SYK activation (By similarity).

Cellular Location

Secreted.

IL-15 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

IL-15 Antibody - Images

IL-15 Antibody - Background

IL-15 is a member of the four alpha-helical bundle family of cytokines with a molecular weight of 14-15 kDa. Its in vitro activity is very similar to IL-2, except that IL-15 utilizes the IL-15 receptor alpha subunit for binding. IL-15 plays an important role in the growth and differentiation of T and B lymphocytes, natural killer cells, macrophages, and monocytes. It also activates a number of important intracellular signaling molecules. This implies that IL-15 could be essential for the immune responses, allograft rejection, and the pathogenesis of autoimmune diseases.