10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

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, Interluekin-15, Interluekin 15, interluekin

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.

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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 Cytomety
- 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, allograpt rejection, and the pathogenesis of autoimmune diseases.