

**IL-5 Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP51906****Specification**

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**IL-5 Antibody - Product Information**

Application	<b>WB, E</b>
Primary Accession	<a href="#">P05113</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>15 KDa</b>

**IL-5 Antibody - Additional Information****Gene ID** 3567**Other Names**

Interleukin-5, IL-5, B-cell differentiation factor I, Eosinophil differentiation factor, T-cell replacing factor, TRF, IL5

**Format**

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**IL-5 Antibody - Protein Information****Name** IL5**Function**

Homodimeric cytokine expressed predominantly by T-lymphocytes and NK cells that plays an important role in the survival, differentiation, and chemotaxis of eosinophils (PubMed: [2653458](http://www.uniprot.org/citations/2653458), PubMed: [9010276](http://www.uniprot.org/citations/9010276)). Acts also on activated and resting B-cells to induce immunoglobulin production, growth, and differentiation (By similarity). Mechanistically, exerts its biological effects through a receptor composed of IL5RA subunit and the cytokine receptor common subunit beta/CSF2RB (PubMed: [1495999](http://www.uniprot.org/citations/1495999), PubMed: [22528658](http://www.uniprot.org/citations/22528658)). Binding to the receptor leads to activation of various kinases including LYN, SYK and JAK2 and thereby propagates signals through the RAS-MAPK and JAK-STAT5 pathways respectively (PubMed: [7613138](http://www.uniprot.org/citations/7613138)).

**Cellular Location**

Secreted.

**Tissue Location**

Present in peripheral blood mononuclear cells.

**IL-5 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-5 Antibody - Images****IL-5 Antibody - Background**

Factor that induces terminal differentiation of late- developing B-cells to immunoglobulin secreting cells.

**IL-5 Antibody - References**

Azuma C., et al. Nucleic Acids Res. 14:9149-9158(1986).  
Tanabe T., et al. J. Biol. Chem. 262:16580-16584(1987).  
Campbell H.D., et al. Proc. Natl. Acad. Sci. U.S.A. 84:6629-6633(1987).  
Yokota T., et al. Proc. Natl. Acad. Sci. U.S.A. 84:7388-7392(1987).  
Honjo T., et al. Submitted (FEB-1992) to the EMBL/GenBank/DDBJ databases.