

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

IL-5 Antibody - Product Information

Application	WB, E
Primary Accession	P05113
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	15 KDa

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

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human IL-5. The exact sequence is proprietary.

Dilution

WB~~1:1000

E~~N/A

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, PubMed:9010276). Also acts 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, PubMed:1495999).

href="http://www.uniprot.org/citations/22528658" target="_blank">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).

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.