

Product Name: IL-5 Rabbit Polyclonal Antibody
Catalog #: APRab12562



Summary

Production Name	IL-5 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IHC, WB, ELISA
Reactivity	Human, Mouse, Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	IL5
Alternative Names	IL5; Interleukin-5; IL-5; B-cell differentiation factor I; Eosinophil differentiation factor; T-cell replacing factor; TRF
Gene ID	3567.0
SwissProt ID	P05113. The antiserum was produced against synthesized peptide derived from human IL-5. AA range: 43-92

Application

Dilution Ratio	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:5000..
Molecular Weight	30kD

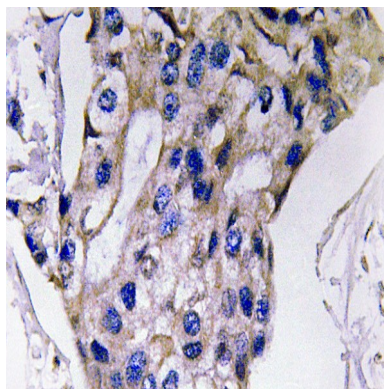
Background

This gene encodes a cytokine that acts as a growth and differentiation factor for both B cells and eosinophils. The encoded cytokine plays a major role in the regulation of eosinophil formation, maturation, recruitment and survival. The increased production of this cytokine may be related to pathogenesis of eosinophil-dependent inflammatory diseases. This cytokine functions by binding to its receptor, which is a heterodimer, whose beta subunit is shared with the receptors for interleukin 3 (IL3) and colony stimulating factor 2 (CSF2/GM-CSF). This gene is located on chromosome 5 within a cytokine gene cluster which includes interleukin 4 (IL4), interleukin 13 (IL13), and CSF2. This gene, IL4, and IL13 may be regulated coordinately by long-range regulatory elements spread over 120 kilobases on chromosome 5q31. [provided by RefSeq, Jul 2013],function:Factor that induces terminal differentiation of late-developing B-cells to immunoglobulin secreting cells.,online information:Interleukin-5 entry,similarity:Belongs to the IL-5 family.,subunit:Homodimer; disulfide-linked.,

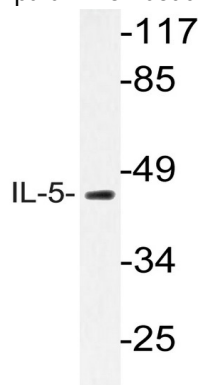
Research Area

Cytokine-cytokine receptor interaction;Jak_STAT;Hematopoietic cell lineage;T_Cell_Receptor;Fc epsilon RI;Intestinal immune network for IgA production;Asthma;Autoimmune thyroid disease;Allograft rejection;

Image Data

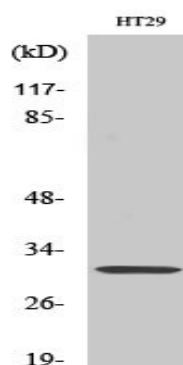


Immunohistochemistry analysis of IL-5 antibody in paraffin-embedded human breast carcinoma tissue.



Western blot analysis of lysate from HT-29 cells, using IL-5 antibody.

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Western Blot analysis of various cells using IL-5 Polyclonal Antibody

Note

For research use only.