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IL5RA Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19232b

Specification

IL5RA Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q01344
Other Accession	NP_000555.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**47685**
Antigen Region	**391-420**

IL5RA Antibody (C-term) - Additional Information

Gene ID 3568

Other Names
Interleukin-5 receptor subunit alpha, IL-5 receptor subunit alpha, IL-5R subunit alpha, IL-5R-alpha, IL-5RA, CDw125, CD125, IL5RA, IL5R

Target/Specificity
This IL5RA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 391-420 amino acids from the C-terminal region of human IL5RA.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
IL5RA Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

IL5RA Antibody (C-term) - Protein Information

Name IL5RA

Synonyms IL5R

Function Cell surface receptor that plays an important role in the survival, differentiation, and chemotaxis of eosinophils (PubMed:9378992). Acts by forming an heterodimeric receptor with CSF2RB subunit and subsequently binding to interleukin-5 (PubMed:1495999, PubMed:22528658). In unstimulated conditions, interacts constitutively with JAK2. Heterodimeric receptor activation leads to JAK2 stimulation and subsequent activation of the JAK-STAT pathway (PubMed:9516124).

Cellular Location
Membrane; Single-pass type I membrane protein.

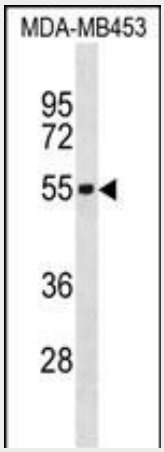
Tissue Location
Expressed on eosinophils and basophils.

IL5RA Antibody (C-term) - 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

IL5RA Antibody (C-term) - Images



IL5RA Antibody (C-term) (Cat. #AP19232b) western blot analysis in MDA-MB453 cell line lysates (35ug/lane).This demonstrates the IL5RA antibody detected the IL5RA protein (arrow).

IL5RA Antibody (C-term) - Background

The protein encoded by this gene is an interleukin 5 specific subunit of a heterodimeric cytokine receptor. The receptor is comprised of a ligand specific alpha subunit and a signal transducing beta subunit shared by the receptors for interleukin 3 (IL3), colony stimulating factor 2 (CSF2/GM-CSF), and interleukin 5 (IL5). The binding of this protein to IL5 depends on the beta subunit. The beta subunit is activated by the ligand binding, and is required for the biological activities of IL5. This protein has

been found to interact with syndecan binding protein (syntenin), which is required for IL5 mediated activation of the transcription factor SOX4. Six alternatively spliced transcript variants encoding three distinct isoforms have been reported.

IL5RA Antibody (C-term) - References

Romero, R., et al. Am. J. Obstet. Gynecol. 203 (4), 361 (2010) :
Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Beckers, M.M., et al. Eur. J. Intern. Med. 21(4):289-292(2010)
Schuurhof, A., et al. Pediatr. Pulmonol. 45(6):608-613(2010)
Wang, Y., et al. Diabet. Med. 27(4):376-383(2010)