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IL3RB Antibody (C-term V759)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6360b

Product Information

Application	WB, E
Primary Accession	P32927
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB06990
Calculated MW	97336
Antigen Region	744-773

Additional Information

Gene ID	1439
Other Names	Cytokine receptor common subunit beta, CDw131, GM-CSF/IL-3/IL-5 receptor common beta subunit, CD131, CSF2RB, IL3RB, IL5RB
Target/Specificity	This IL3R antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 744-773 amino acids from the C-terminal region of human IL3R.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
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	IL3RB Antibody (C-term V759) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CSF2RB
Synonyms	IL3RB, IL5RB
Function	Cell surface receptor that plays a role in immune response and controls the production and differentiation of hematopoietic progenitor cells into

lineage-restricted cells. Acts by forming an heterodimeric receptor through interaction with different partners such as IL3RA, IL5RA or CSF2RA (PubMed:1495999). In turn, participates in various signaling pathways including interleukin-3, interleukin-5 and granulocyte-macrophage colony-stimulating factor/CSF2 pathways. In unstimulated conditions, interacts constitutively with JAK1 and ligand binding leads to JAK1 stimulation and subsequent activation of the JAK- STAT pathway (PubMed:9516124).

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

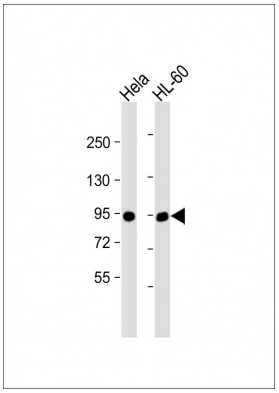
Background

Purified rabbit polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is first purified by protein G affinity chromatography. Then, the antibody fraction is peptide affinity purified in a 2-step procedure with the control and phosphorylated peptides. The phospho-specific antibody is eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.

References

Murphy, J.M., et al., J. Biol. Chem. 279(25):26500-26508 (2004).
McClure, B.J., et al., Blood 101(4):1308-1315 (2003).
Scibek, J.J., et al., Anal. Biochem. 307(2):258-265 (2002).
Blake, T.J., et al., J. Leukoc. Biol. 72(6):1246-1255 (2002).
Evans, C.A., et al., Blood 100(9):3164-3174 (2002).

Images



All lanes : Anti-IL3RB Antibody (C-term) at 1:1000 dilution Lane 1: Hela whole cell lysate Lane 2: HL-60 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 97 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.