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Phospho-IL3R(Y766) Antibody

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP3133a

Product Information

Application	WB, DB, E
Primary Accession	P32927
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB06992
Calculated MW	97336

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 phosphopeptide corresponding to amino acid residues surrounding Y766 of human IL3R.
Dilution	WB~~1:1000 DB~~1:500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. 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	Phospho-IL3R(Y766) Antibody 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.

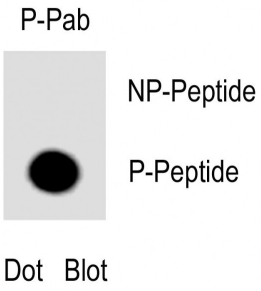
Background

IL3R (also known as CSF2RB) is a common beta chain of the high affinity receptor for IL-3, IL-5 and GM-CSF. Defective IL3R has been reported to be associated with protein alveolar proteinosis (PAP). PAP is an autosomal recessive fatal respiratory disease.

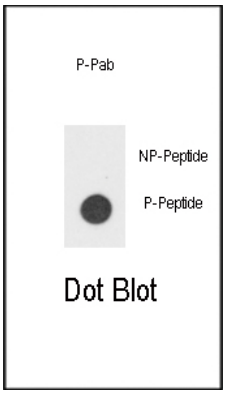
References

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



Dot blot analysis of Phospho-IL3R(Y766) Antibody (Cat. AP3133a) on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antobodies working concentration was 0. 5ug per ml



Dot blot analysis of anti-hIL3R-pY766 Phospho-specific Pab (Cat. #AP3133a) on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5ug per ml.

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