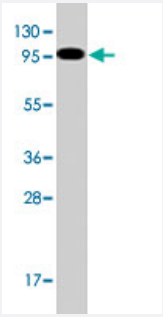
CSF2RB polyclonal antibody

Catalog # PAB4461 Size 400 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of CSF2RB polyclonal antibody (Cat # PAB4461) in HL-60 cell line lysates (35 ug/lane). CSF2RB (arrow) was detected using the purified CSF2RB polyclonal antibody (Cat # PAB4461) (1 : 60 dilution).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CSF2RB.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus (V759) of human CSF2RB.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein A purification
Recommend Usage	ELISA (1:1000) Western Blot (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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Applications

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Cell lysate)

  Western blot analysis of CSF2RB polyclonal antibody (Cat # PAB4461) in HL-60 cell line lysates (35 ug/lane). CSF2RB (arrow) was detected using the purified CSF2RB polyclonal antibody (Cat # PAB4461) (1 : 60 dilution).

Gene Info — CSF2RB

Entrez GeneID	1439
Protein Accession#	NP_000386;P32927
Gene Name	CSF2RB
Gene Alias	CD131, CDw131, IL3RB, IL5RB
Gene Description	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)
Omim ID	138981 265120
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is the common beta chain of the high affinity receptor for IL-3, IL -5 and CSF. Defects in this gene have been reported to be associated with protein alveolar protei nosis (PAP). [provided by RefSeq
Other Designations	GM-CSF/IL-3/IL-5 receptor common beta-chain|colony stimulating factor 2 receptor, beta|colony-s timulating factor-2 receptor, beta, low-affinity|cytokine receptor common subunit beta|interleukin 3 receptor/granulocyte-macrophage colony stimulating factor 3

Publication Reference

- Interleukin-3 binding to the murine betaIL-3 and human betac receptors involves functional epitopes formed by domains 1 and 4 of different protein chains.

  Murphy JM, Ford SC, Olsen JE, Gustin SE, Jeffrey PD, Ollis DL, Young IG.

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- Molecular assembly of the ternary granulocyte-macrophage colony-stimulating factor receptor complex.

  McClure BJ, Hercus TR, Cambareri BA, Woodcock JM, Bagley CJ, Howlett GJ, Lopez AF.

  Blood 2003 Feb; 101(4):1308.

- Biosensor analysis of dynamics of interleukin 5 receptor subunit beta(c) interaction with IL5:IL5R(alpha) complexes.

  Scibek JJ, Evergren E, Zahn S, Canziani GA, Van Ryk D, Chaiken IM.

  Analytical Biochemistry 2002 Aug; 307(2):258.

Pathway

- Apoptosis
- Cytokine-cytokine receptor interaction
- Jak-STAT signaling pathway

Disease

- Asthma
- Bipolar Disorder
- Bronchial Hyperreactivity
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Hypersensitivity
- Kidney Failure
- Rhinitis
- Schizophrenia

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