

CD131 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51932**Specification**

CD131 Antibody - Product Information

Application	WB, E
Primary Accession	P32927
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	130 KDa

CD131 Antibody - 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

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

CD131 Antibody - 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 a 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.

CD131 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CD131 Antibody - Images

CD131 Antibody - Background

High affinity receptor for interleukin-3, interleukin-5 and granulocyte-macrophage colony-stimulating factor.

CD131 Antibody - References

Hayashida K., et al. Proc. Natl. Acad. Sci. U.S.A. 87:9655-9659(1990).
Kitamura T., et al. Submitted (FEB-1991) to the EMBL/GenBank/DDBJ databases.
Collins J.E., et al. Genome Biol. 5:R84.1-R84.11(2004).
Dunham I., et al. Nature 402:489-495(1999).
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.