

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

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**CD131 Antibody - Product Information**

Application	<b>WB, E</b>
Primary Accession	<a href="#">P32927</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>130 KDa</b>

**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](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/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.