

# IL3RA Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP20479b

#### **Product Information**

**Application** WB, E **Primary Accession** P26951 Reactivity Human Host Rabbit Clonality Polyclonal Isotype Rabbit IgG **Calculated MW** 43330 **Antigen Region** 322-348

#### **Additional Information**

**Gene ID** 3563

Other Names Interleukin-3 receptor subunit alpha, IL-3 receptor subunit alpha, IL-3R

subunit alpha, IL-3R-alpha, IL-3RA, CD123, IL3RA, IL3R

Target/Specificity This IL3RA antibody is generated from rabbits immunized with a KLH

conjugated synthetic peptide between 322-348 amino acids from the

C-terminal region of human IL3RA.

**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** IL3RA Antibody (C-term) is for research use only and not for use in diagnostic

or therapeutic procedures.

#### **Protein Information**

Name IL3RA ( HGNC:6012)

Synonyms IL3R

**Function** Cell surface receptor for IL3 expressed on hematopoietic progenitor cells,

monocytes and B-lymphocytes that controls the production and

differentiation of hematopoietic progenitor cells into lineage-restricted cells

(PubMed: 10527461). Ligand stimulation rapidly induces hetrodimerization with IL3RB, phosphorylation and enzyme activity of effector proteins such as JAK2 and PI3K that play a role in signaling cell proliferation and differentiation. Activation of JAK2 leads to STAT5-mediated transcriptional program (By similarity).

**Cellular Location** 

Cell membrane; Single-pass type I membrane protein

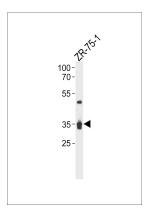
## **Background**

This is a receptor for interleukin-3.

#### References

Chen J., et al. J. Biol. Chem. 284:5763-5773(2009). Kitamura T., et al. Cell 66:1165-1174(1991). Ota T., et al. Nat. Genet. 36:40-45(2004). Ross M.T., et al. Nature 434:325-337(2005).

### **Images**



IL3RA Antibody (C-term) (Cat. #AP20479b) western blot analysis in ZR-75-1 cell line lysates (35ug/lane). This demonstrates the IL3RA antibody detected the IL3RA protein (arrow).

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