

**IL3RA antibody - C-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI15012****Specification**

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**IL3RA antibody - C-terminal region - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">P26951</a>
Other Accession	<a href="#">NM_002183</a> , <a href="#">NP_002174</a>
Reactivity	<b>Human</b>
Predicted	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>41kDa KDa</b>

**IL3RA antibody - C-terminal region - Additional Information****Gene ID** 3563**Alias Symbol** **CD123, IL3R, IL3RAY, IL3RX, IL3RY, MGC34174, hIL-3Ra****Other Names**

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

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-IL3RA antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

IL3RA antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**IL3RA antibody - C-terminal region - 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:&lt;a href="http://www.uniprot.org/citations/10527461" target="\_blank"&gt;10527461&lt;/a&gt;). Ligand stimulation rapidly induces heterodimerization 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

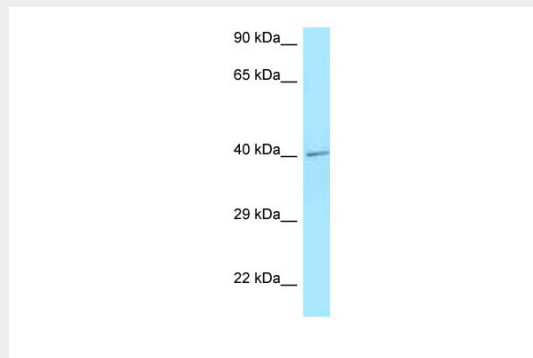
Membrane; Single-pass type I membrane protein.

#### IL3RA antibody - C-terminal region - 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](#)

#### IL3RA antibody - C-terminal region - Images



WB Suggested Anti-IL3RA Antibody Titration: 1.0 µg/ml  
Positive Control: MCF7 Whole Cell

#### IL3RA antibody - C-terminal region - References

- Kitamura T., et al. Cell 66:1165-1174(1991).  
Kosugi H., et al. Biochem. Biophys. Res. Commun. 208:360-367(1995).  
Chen J., et al. J. Biol. Chem. 284:5763-5773(2009).  
Ota T., et al. Nat. Genet. 36:40-45(2004).  
Ross M.T., et al. Nature 434:325-337(2005).