

# IL3RA antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI15012

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">P26951</a>
<b>Other Accession</b>	<a href="#">NM_002183</a> , <a href="#">NP_002174</a>
<b>Reactivity</b>	Human
<b>Predicted</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	43330

## Additional Information

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<b>Gene ID</b>	3563
<b>Alias Symbol</b> <b>Other Names</b>	CD123, IL3R, IL3RAY, IL3RX, IL3RY, MGC34174, hIL-3Ra Interleukin-3 receptor subunit alpha, IL-3 receptor subunit alpha, IL-3R subunit alpha, IL-3R-alpha, IL-3RA, CD123, IL3RA, IL3R
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	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.
<b>Precautions</b>	IL3RA antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	IL3RA ( <a href="#">HGNC:6012</a> )
<b>Synonyms</b>	IL3R
<b>Function</b>	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: <a href="#">10527461</a> ). 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**

Cell membrane; Single-pass type I membrane protein

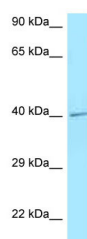
**References**

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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).

**Images**

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

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