

For Research Use Only

# IL3RA/CD123 Polyclonal antibody

Catalog Number: 30012-1-AP



## Basic Information

<b>Catalog Number:</b> 30012-1-AP	<b>GenBank Accession Number:</b> NM_008369	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 500 µg/ml	<b>GeneID (NCBI):</b> 16188	<b>Recommended Dilutions:</b> WB 1:500-1:1000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P26952	<b>IF-P 1:50-1:500</b>
<b>Isotype:</b> IgG	<b>Full Name:</b> interleukin 3 receptor, alpha chain	
<b>Immunogen Catalog Number:</b> AG32002	<b>Calculated MW:</b> 43 kDa	
	<b>Observed MW:</b> 43 kDa, 60-70 kDa	

## Applications

<b>Tested Applications:</b> WB, IF-P, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> mouse, rat	<b>WB :</b> PC-12 cells, NIH/3T3 cells
	<b>IF-P :</b> mouse brain tissue,

## Background Information

IL-3RA, also named as CD123 and SUT-1, is the alpha subunit of the interleukin 3 (IL-3) receptor, which is part of the type I cytokine receptor superfamily (PMID: 25043189). It can regulate the proliferation, survival, and differentiation of hematopoietic cells. In mouse, there are two classes of high-affinity IL-3 receptors. One contains an IL-3-specific beta subunit and the other contains the beta subunit also shared by high-affinity IL-5 and GM-CSF receptors. This antibody is specific for mouse IL3ra.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

For technical support and original validation data for this product please contact:

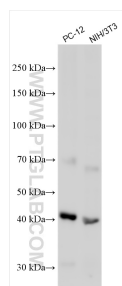
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

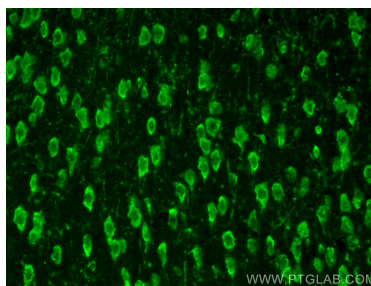
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30012-1-AP (IL3ra antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using IL3ra antibody (30012-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).