
Product Name: IL-3R β (phospho Tyr593) Rabbit Polyclonal Antibody**Catalog #: APRab04840**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000
Molecular Weight	125kDa

Antigen Information

Gene Name	CSF2RB
Alternative Names	CSF2RB; IL3RB; IL5RB; Cytokine receptor common subunit beta; CDw131; GM-CSF/IL-3/IL-5 receptor common beta subunit; CD antigen CD131
Gene ID	1439.0
SwissProt ID	P32927
Immunogen	The antiserum was produced against synthesized peptide derived from human IL-3R beta around the phosphorylation site of Tyr593. AA range:559-608

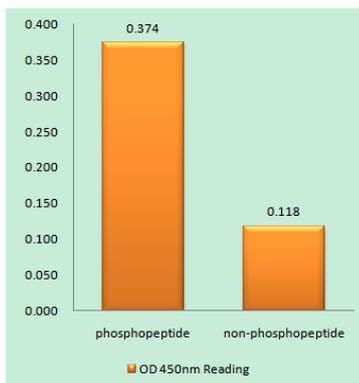
Background

The protein encoded by this gene is the common beta chain of the high affinity receptor for IL-3, IL-5 and CSF. Defects in this gene have been reported to be associated with protein alveolar proteinosis (PAP). [provided by RefSeq, Jul 2008],disease:Defects in CSF2RB are a cause of congenital pulmonary alveolar proteinosis (PAP) [MIM:265120]. PAP is an autosomal recessive fatal respiratory disease.,domain:The box 1 motif is required for JAK interaction and/or activation.,domain:The WSXWS motif appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding.,function:High affinity receptor for interleukin-3, interleukin-5 and granulocyte-macrophage colony-stimulating factor.,similarity:Belongs to the type I cytokine receptor family. Type 4 subfamily.,similarity:Contains 2 fibronectin type-III domains.,subunit:Heterodimer of an alpha and a beta subunit. The beta subunit is common to the IL3, IL5 and GM-CSF receptors.,

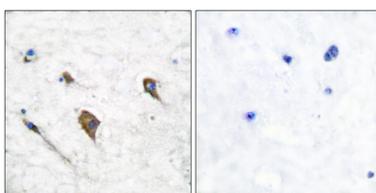
Research Area

Cytokine-cytokine receptor interaction;Apoptosis_Inhibition;Apoptosis_Mitochondrial;Apoptosis_Overview;Jak_STAT;

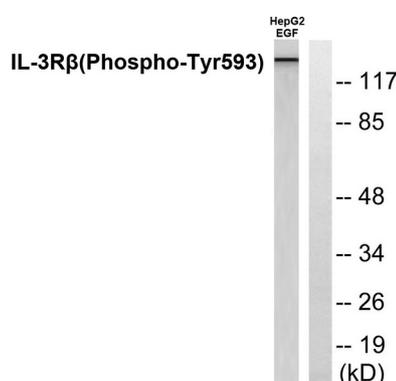
Image Data



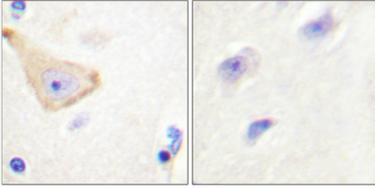
Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right) , using IL-3R beta (Phospho-Tyr593) Antibody



Immunohistochemistry analysis of paraffin-embedded human brain, using IL-3R beta (Phospho-Tyr593) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from RAW264.7 cells treated with G-CSF 25ng/ml 15 ' , using IL-3R beta (Phospho-Tyr593) Antibody. The lane on the right is blocked with the phospho peptide.



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100 (4°, overnight) . High-pressure and temperature Tris-EDTA, pH8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.