



# IL-3R $\beta$ (phospho Tyr593) Polyclonal Antibody

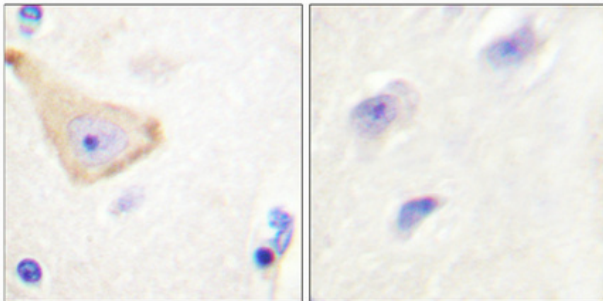
<b>Catalog No</b>	BYab-13030
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Gene Name</b>	CSF2RB
<b>Protein Name</b>	Cytokine receptor common subunit beta
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human IL-3R beta around the phosphorylation site of Tyr593. AA range:559-608
<b>Specificity</b>	Phospho-IL-3R $\beta$ (Y593) Polyclonal Antibody detects endogenous levels of IL-3R $\beta$ protein only when phosphorylated at Y593.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/10000.. IF 1:50-200
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	$\geq 90\%$
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	CSF2RB; IL3RB; IL5RB; Cytokine receptor common subunit beta; CDw131; GM-CSF/IL-3/IL-5 receptor common beta subunit; CD antigen CD131
<b>Observed Band</b>	125kD
<b>Cell Pathway</b>	Membrane; Single-pass type I membrane protein.
<b>Tissue Specificity</b>	Placenta,
<b>Function</b>	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.,

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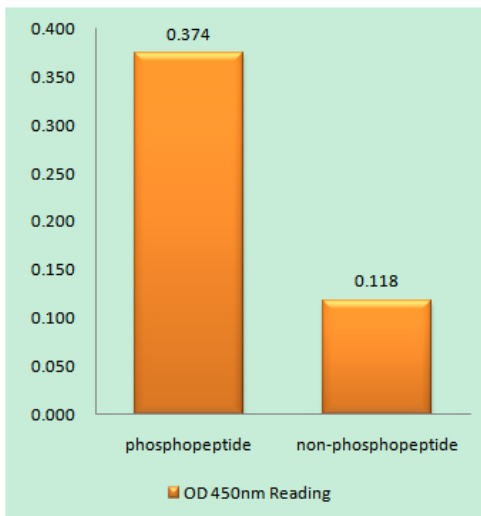


<b>Background</b>	The protein encoded by this gene is the common beta chain of the high affinity receptor for IL-3, IL-5 and CSF. Defects in this gene have been reported to be associated with protein alveolar proteinosis (PAP). [provided by RefSeq, Jul 2008],
<b>matters needing attention</b>	Avoid repeated freezing and thawing!
<b>Usage suggestions</b>	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

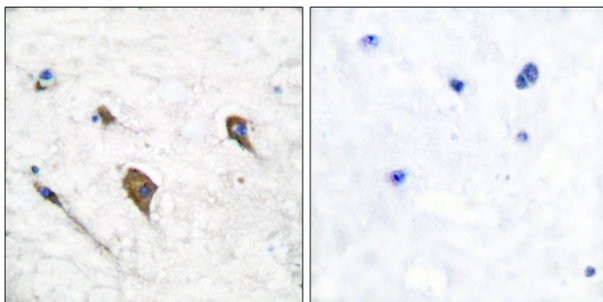
## Products Images



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 contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.

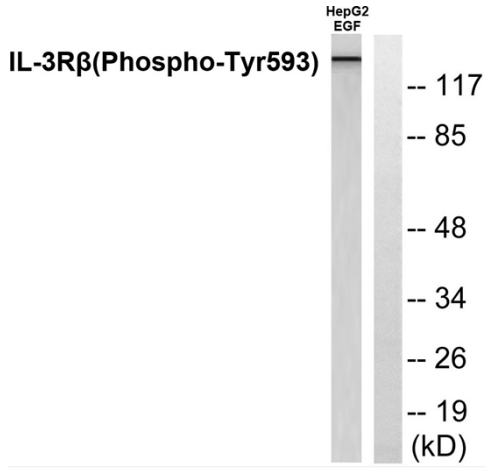


Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using IL-3R beta (Phospho-Tyr593) Antibody



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.

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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.