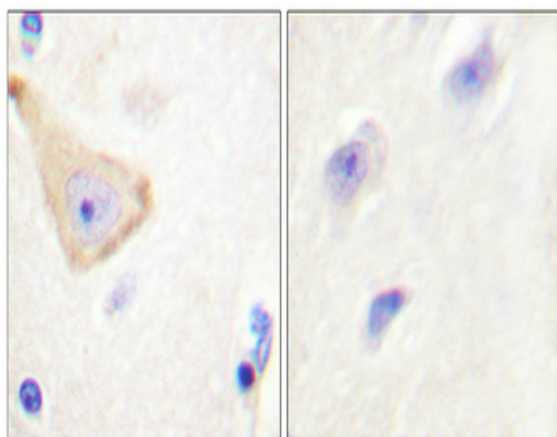


IL-3R β (phospho Tyr593) Polyclonal Antibody

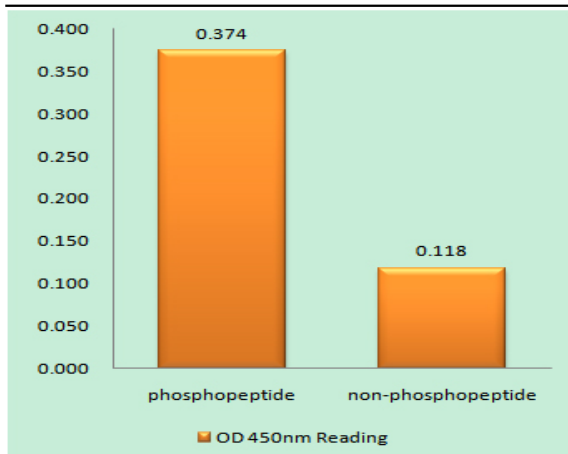
Catalog No :	YP0639
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	IL-3R β
Fields :	>>Cytokine-cytokine receptor interaction;>>Apoptosis;>>JAK-STAT signaling pathway;>>Pathways in cancer
Gene Name :	CSF2RB
Protein Name :	Cytokine receptor common subunit beta
Human Gene Id :	1439
Human Swiss Prot No :	P32927
Mouse Gene Id :	12983
Mouse Swiss Prot No :	P26955
Immunogen :	The antiserum was produced against synthesized peptide derived from human IL-3R beta around the phosphorylation site of Tyr593. AA range:559-608
Specificity :	Phospho-IL-3R β (Y593) Polyclonal Antibody detects endogenous levels of IL-3R β protein only when phosphorylated at Y593.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:10000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	125kD
Cell Pathway :	Cytokine-cytokine receptor interaction;Apoptosis_Inhibition;Apoptosis_Mitochondrial;Apoptosis_Overview;Jak_STAT;
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],
Function :	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.,
Subcellular Location :	Membrane; Single-pass type I membrane protein.
Expression :	Placenta,

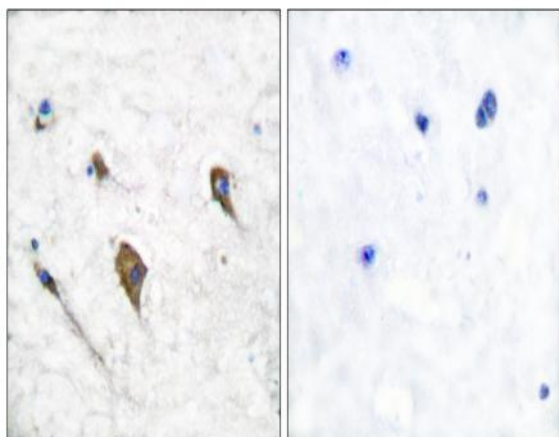
Products Images



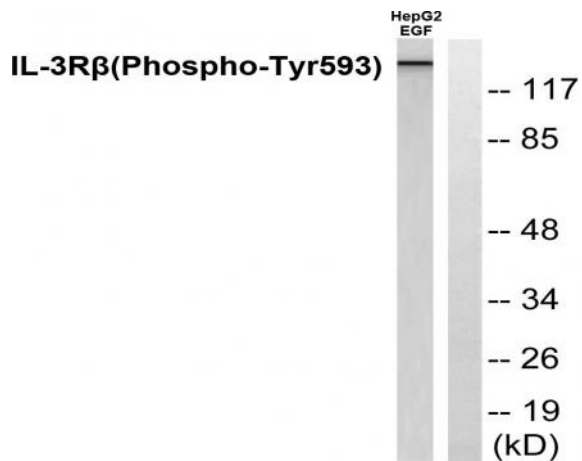
Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.



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.



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.