

IL-3Rβ (phospho Tyr593) Polyclonal Antibody

Catalog No: YP0639

Reactivity: Human; Mouse; Rat

Applications: WB;IHC;IF;ELISA

Target: IL-3Rβ

Fields: >>Cytokine-cytokine receptor interaction;>>Apoptosis;>>JAK-STAT signaling

pathway;>>Pathways in cancer

Gene Name: CSF2RB

Protein Name: Cytokine receptor common subunit beta

P32927

P26955

Human Gene Id: 1439

Human Swiss Prot

No:

Mouse Gene Id: 12983

Mouse Swiss Prot

No:

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-3Rβ (Y593) Polyclonal Antibody detects endogenous levels of

IL-3Rβ 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.

1/4



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_Mitochon

drial; Apoptosis Overview; Jak STAT;

The protein encoded by this gene is the common beta chain of the high affinity **Background:**

> 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,

Tag: orthogonal

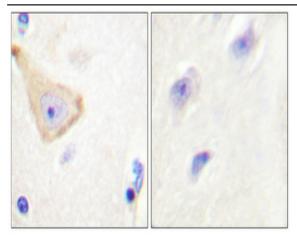
8510 Sort:

No4:

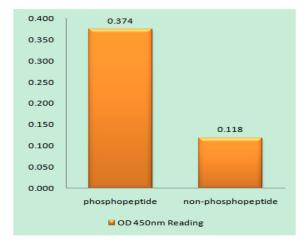
Host: Rabbit

Modifications: Phospho

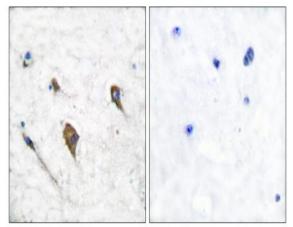
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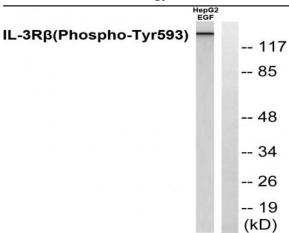
Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.



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.