

## **IL-3Rβ Polyclonal Antibody**

Catalog No: YT2333

**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. AA range:559-608

**Specificity:** IL-3Rβ Polyclonal Antibody detects endogenous levels of IL-3Rβ protein.

**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: 1:5000.. IF 1:50-200

**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

1/4



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;

**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,

Tag: orthogonal

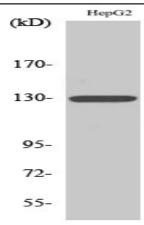
**Sort :** 8511

**No4**: 1

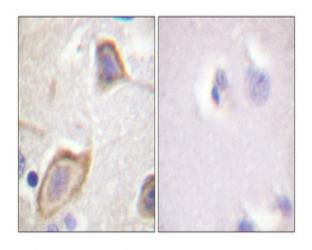
Host: Rabbit

Modifications: Unmodified

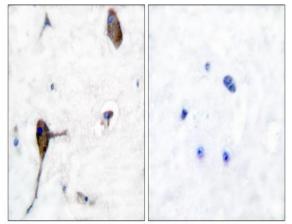
## **Products Images**



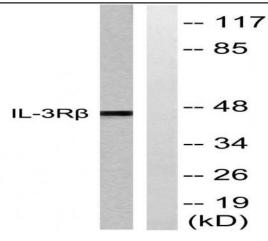
Western Blot analysis of various cells using IL-3R $\beta$  Polyclonal Antibody



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.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using IL-3R beta Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from Raw264.7 cells, treated with G-CSF 25ng/ml 15', using IL-3R beta Antibody. The lane on the right is blocked with the synthesized peptide.