



Rabbit Anti-phospho-IL3RB (Tyr766) antibody

SL5252R

| | |
|-------------------------------|---|
| Product Name: | phospho-IL3RB (Tyr766) |
| Chinese Name: | 磷酸化粒细胞-巨噬细胞集落刺激因子受体β抗体 |
| Alias: | phospho-CSF2RB (Tyr766); IL3RB (phospho Y766); GM-CSF receptor beta chain; Cytokine receptor common subunit beta; CDw131; GM-CSF/IL-3/IL-5 receptor common beta subunit; CSF2RB; IL3RB; IL5RB: GM-CSFrβ. |
| Organism Species: | Rabbit |
| Clonality: | Polyclonal |
| React Species: | Human,Pig,Cow,Horse,Rabbit,Guinea Pig, |
| Applications: | WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user. |
| Molecular weight: | 97kDa |
| Cellular localization: | The cell membrane |
| Form: | Lyophilized or Liquid |
| Concentration: | 1mg/ml |
| immunogen: | KLH conjugated Synthesised phosphopeptide derived from human CSF2RB around the phosphorylation site of Tyr766:EG(p-Y)VE |
| Lsotype: | IgG |
| Purification: | affinity purified by Protein A |
| Storage Buffer: | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| Storage: | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| PubMed: | PubMed |
| Product Detail: | GM-CSF Receptor Beta is the v subunit of the heterodimeric receptor for colony stimulating factor 2, a cytokine which controls the production, differentiation, and function of granulocytes and macrophages. The encoded protein is a member of the |

cytokine family of receptors. This gene is found in the pseudoautosomal region (PAR) of the X and Y chromosomes. Six transcript variants encoding five different isoforms have been found for this gene, with some of the isoforms being membrane-bound and others being soluble.

Function:

High affinity receptor for interleukin-3, interleukin-5 and granulocyte-macrophage colony-stimulating factor.

Subunit:

Heterodimer of an alpha and a beta subunit. The beta subunit is common to the IL3, IL5 and GM-CSF receptors. The signaling GM-CSF receptor complex is a dodecamer of two head-to-head hexamers of two alpha, two beta, and two ligand subunits. Interacts with TMEM102; this interaction occurs preferentially in the absence of CSF2. Interacts with LYN.

Subcellular Location:

Membrane; Single-pass type I membrane protein.

Tissue Specificity:

Defects in CSF2RB are the cause of pulmonary surfactant metabolism dysfunction type 5 (SMDP5) [MIM:614370]. SMDP5 is a rare lung disorder due to impaired surfactant homeostasis. It is characterized by alveolar filling with floccular material that stains positive using the periodic acid-Schiff method and is derived from surfactant phospholipids and protein components. Excessive lipoproteins accumulation in the alveoli results in severe respiratory distress.

Post-translational modifications:

May be phosphorylated by LYN.

Similarity:

Belongs to the type I cytokine receptor family. Type 4 subfamily. Contains 2 fibronectin type-III domains.

SWISS:

P32927

Gene ID:

1439

Database links:

[Entrez Gene: 1439](#)Human

[Entrez Gene: 12983](#)Mouse

[Entrez Gene: 12984](#)Mouse

[Omim: 138981](#)Human

[SwissProt: P32927](#)Human

[SwissProt: P26955](#)Mouse

[Unigene: 285401](#)Human

[Unigene: 592192](#)Human

[Unigene: 235324](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

www.sunlongbiotech.com