



Rabbit Anti-IL-6R alpha antibody

SL23660R

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| Product Name: | IL-6R alpha |
| Chinese Name: | 白细胞介素6受体 α /IL-6R α 抗体 |
| Alias: | IL6R; CD 126; CD126; CD126 antigen; gp80; IL 6R 1; IL 6R alpha; IL 6R; IL-6 receptor subunit alpha; IL-6R 1; IL-6R subunit alpha; IL-6R-alpha; IL-6RA; Il6r; IL6RA; IL6RA_MOUSE; Interleukin 6 receptor alpha chain; Interleukin 6 receptor; Interleukin-6 receptor subunit alpha; Membrane glycoprotein 80; |
| Organism Species: | Rabbit |
| Clonality: | Polyclonal |
| React Species: | Mouse,Rat, |
| Applications: | ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=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: | 50kDa |
| Cellular localization: | The cell membraneSecretory protein |
| Form: | Lyophilized or Liquid |
| Concentration: | 1mg/ml |
| immunogen: | KLH conjugated synthetic peptide derived from mouse IL-6R alpha:381-460/460<Cytoplasmic> |
| 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: | Interleukin 6 (IL6) is a potent pleiotropic cytokine that regulates cell growth and differentiation and plays an important role in immune response. The protein encoded by this gene is a subunit of the receptor complex for IL6. The IL6 receptor is a protein |

complex consisting of this protein and interleukin 6 signal transducer (IL6ST/GP130/IL6-beta), a receptor subunit also shared by many other cytokines. Dysregulated production of IL6 and this receptor are implicated in the pathogenesis of many diseases, such as multiple myeloma, autoimmune diseases and prostate cancer. Alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq].

Function:

Part of the receptor for interleukin 6. Binds to IL6 with low affinity, but does not transduce a signal. Signal activation necessitate an association with IL6ST. Activation may lead to the regulation of the immune response, acute-phase reactions and hematopoiesis.

Low concentration of a soluble form of IL6 receptor acts as an agonist of IL6 activity.

Subunit:

Hexamer of two molecules each of IL6, IL6R and IL6ST.

Subcellular Location:

Isoform 1: Basolateral cell membrane; Single-pass type I membrane protein. Isoform 2: Secreted.

Tissue Specificity:

Isoform 2 is expressed in peripheral blood mononuclear cells and weakly found in urine and serum.

Post-translational modifications:

A short soluble form may also be released from the membrane by proteolysis.

Similarity:

Belongs to the type I cytokine receptor family.

Type 3 subfamily. Contains 1 fibronectin type-III domain.

Contains 1 Ig-like C2-type (immunoglobulin-like) domain.

SWISS:

P22272

Gene ID:

16194

Database links:

[Entrez Gene: 3570](#)Human

[Entrez Gene: 16194](#)Mouse

[SwissProt: P08887](#)Human

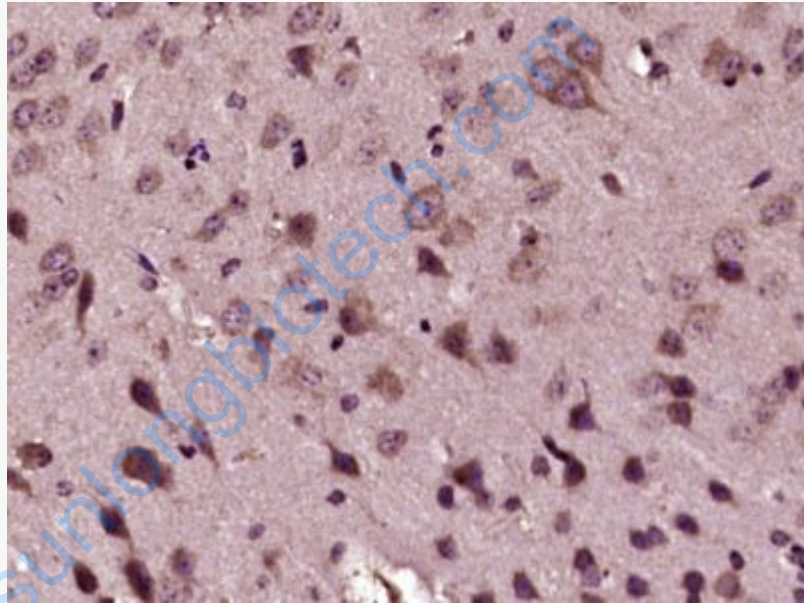
[SwissProt: P22272](#)Mouse

[SwissProt: P22273](#)Rat

[Unigene: 2856](#)Mouse

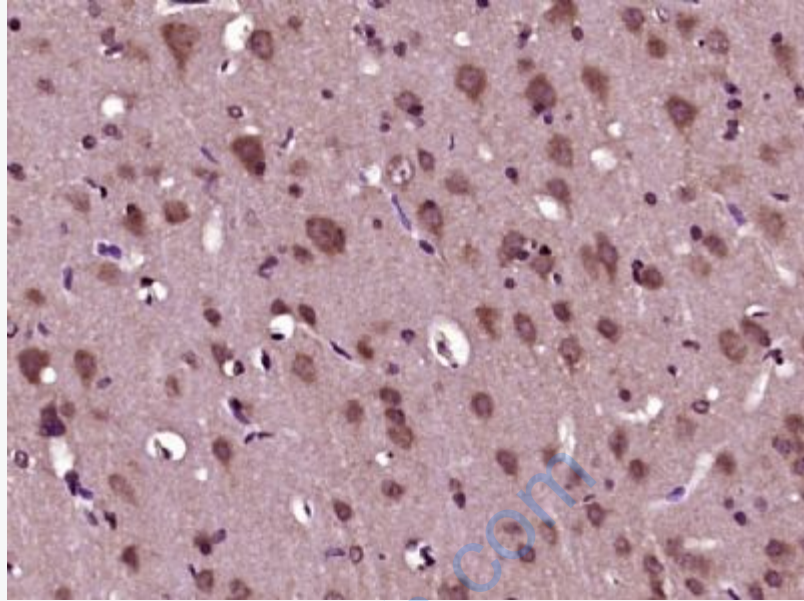
Important Note:

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



Picture:

Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (IL-6R alpha) Polyclonal Antibody, Unconjugated (SL23660R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (IL-6R alpha) Polyclonal Antibody, Unconjugated (SL23660R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.