



## Rabbit Anti-IL-6 antibody

SL6312R

<b>Product Name:</b>	IL-6
<b>Chinese Name:</b>	白介素6抗体
<b>Alias:</b>	Interleukin BSF 2; B cell differentiation factor; B cell stimulatory factor 2; BSF 2; BSF2; CDF; CTL differentiation factor; Cytotoxic T cell differentiation factor; Hepatocyte stimulating factor; HGF; HPGF; HSF; Hybridoma growth factor; Hybridoma plasmacytoma growth factor; IFNB2; IL 6; IL6 protein; Interferon beta 2; Interleukin 6 (interferon beta 2); Interleukin 6; Interleukin6.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Rabbit,
<b>Applications:</b>	ELISA=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.
<b>Molecular weight:</b>	24kDa
<b>Cellular localization:</b>	Secretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from rabbit IL-6:101-168/241
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	IL6 is reported to be produced by fibroblasts, activated T cells, activated monocytes or macrophages and endothelial cells. It acts upon a variety of cells including fibroblasts, myeloid progenitor cells, T cells, B cells and hepatocytes. In addition, IL6 appears to

interact with IL2 in the proliferation of T lymphocytes. IL6 potentiates the proliferative effect of IL3 on multipotential hematopoietic progenitors.

**Function:**

Cytokine with a wide variety of biological functions. It is a potent inducer of the acute phase response. Plays an essential role in the final differentiation of B-cells into Ig-secreting cells Involved in lymphocyte and monocyte differentiation. It induces myeloma and plasmacytoma growth and induces nerve cells differentiation Acts on B-cells, T-cells, hepatocytes, hematopoietic progenitor cells and cells of the CNS. Also acts as a myokine. It is discharged into the bloodstream after muscle contraction and acts to increase the breakdown of fats and to improve insulin resistance.

**Subcellular Location:**

Secreted.

**Post-translational modifications:**

N- and O-glycosylated.

**DISEASE:**

Genetic variations in IL6 are associated with susceptibility to rheumatoid arthritis systemic juvenile (RASJ) [MIM:604302]. An inflammatory articular disorder with systemic-onset beginning before the age of 16. It represents a subgroup of juvenile arthritis associated with severe extraarticular features and occasionally fatal complications. During active phases of the disorder, patients display a typical daily spiking fever, an evanescent macular rash, lymphadenopathy, hepatosplenomegaly, serositis, myalgia and arthritis.

Note=A IL6 promoter polymorphism is associated with a lifetime risk of development of Kaposi sarcoma in HIV-infected men.

**Similarity:**

Belongs to the IL-6 superfamily.

**SWISS:**

P05231

**Gene ID:**

3569

**Database links:**

[Entrez Gene: 3569](#)Human

[Entrez Gene: 16193](#)Mouse

[Entrez Gene: 24498](#)Rat

[Omin: 147620](#)Human

[SwissProt: P05231](#)Human

[SwissProt: P08505](#)Mouse

[SwissProt: P20607](#)Rat

[Unigene: 654458](#)Human

[Unigene: 1019](#)Mouse

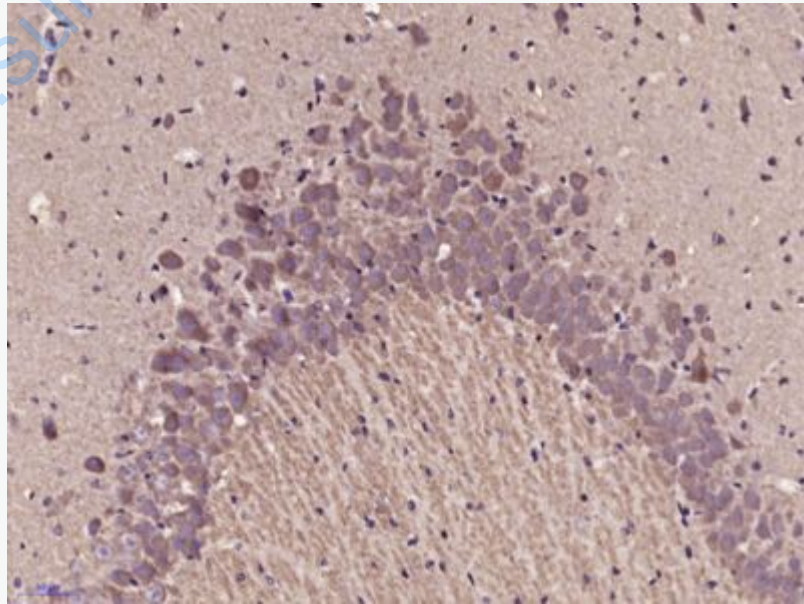
[Unigene: 9873](#)Rat

**Important Note:**

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

白细胞介素6是一种多功能cell factor, 既可由lymphocyte产生, 也能由非lymphocyte合成。在体内免疫反应调节、血细胞的增生、防御机制和急性期反应中起重要作用。白细胞介素-6是一种glycoprotein, 它既可诱导急性期时相关蛋白的产生, 也是β细胞终末分化并分泌抗体的必需因子, 在免疫调节中发挥重要作用, 人的IL-6的前体有212个氨基酸。成熟形态为185个氨基酸

**Picture:**



Paraformaldehyde-fixed, paraffin embedded (Rabbit brain); Antigen retrieval by

microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (IL-6) Polyclonal Antibody, Unconjugated (SL6312R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP)and DAB staining.

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