



Rabbit Anti-IL-11 antibody

SL1827R

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| Product Name: | IL-11 |
| Chinese Name: | 白介素11抗体 |
| Alias: | Interleukin-11; Adipogenesis inhibitory factor; AGIF; IL 11; IL11; Interleukin 11; Oprelvekin; IL11 HUMAN. |
| Organism Species: | Rabbit |
| Clonality: | Polyclonal |
| React Species: | Human,Mouse,Rat,Dog,Pig,Cow,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: | 19kDa |
| Cellular localization: | Secretory protein |
| Form: | Lyophilized or Liquid |
| Concentration: | 1mg/ml |
| immunogen: | KLH conjugated synthetic peptide derived from human IL-11:22-120/199 |
| 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 11 is a pleiotropic cytokine produced by mesenchymal-derived adherent cells. IL11 shares many functions of IL6 and LIF, including potentiation of megakaryocyte activity, enhancement of human myeloma cell proliferation, and enhancement of hepatic acute phase protein production. Interleukin 11 directly stimulates the proliferation of hematopoietic stem cells and megakaryocyte progenitor cells, and induces megakaryocyte maturation resulting in increased platelet production. |

Clinically it is used to prevent severe thrombocytopenia and the reduction of the need for platelet transfusion following myelosuppressive chemotherapy.

Function:

Directly stimulates the proliferation of hematopoietic stem cells and megakaryocyte progenitor cells and induces megakaryocyte maturation resulting in increased platelet production.

Subcellular Location:

Secreted.

Similarity:

Belongs to the IL-6 superfamily.

SWISS:

P20809

Gene ID:

3589

Database links:

[Entrez Gene: 3589](#)Human

[Omim: 147681](#)Human

[SwissProt: P20809](#)Human

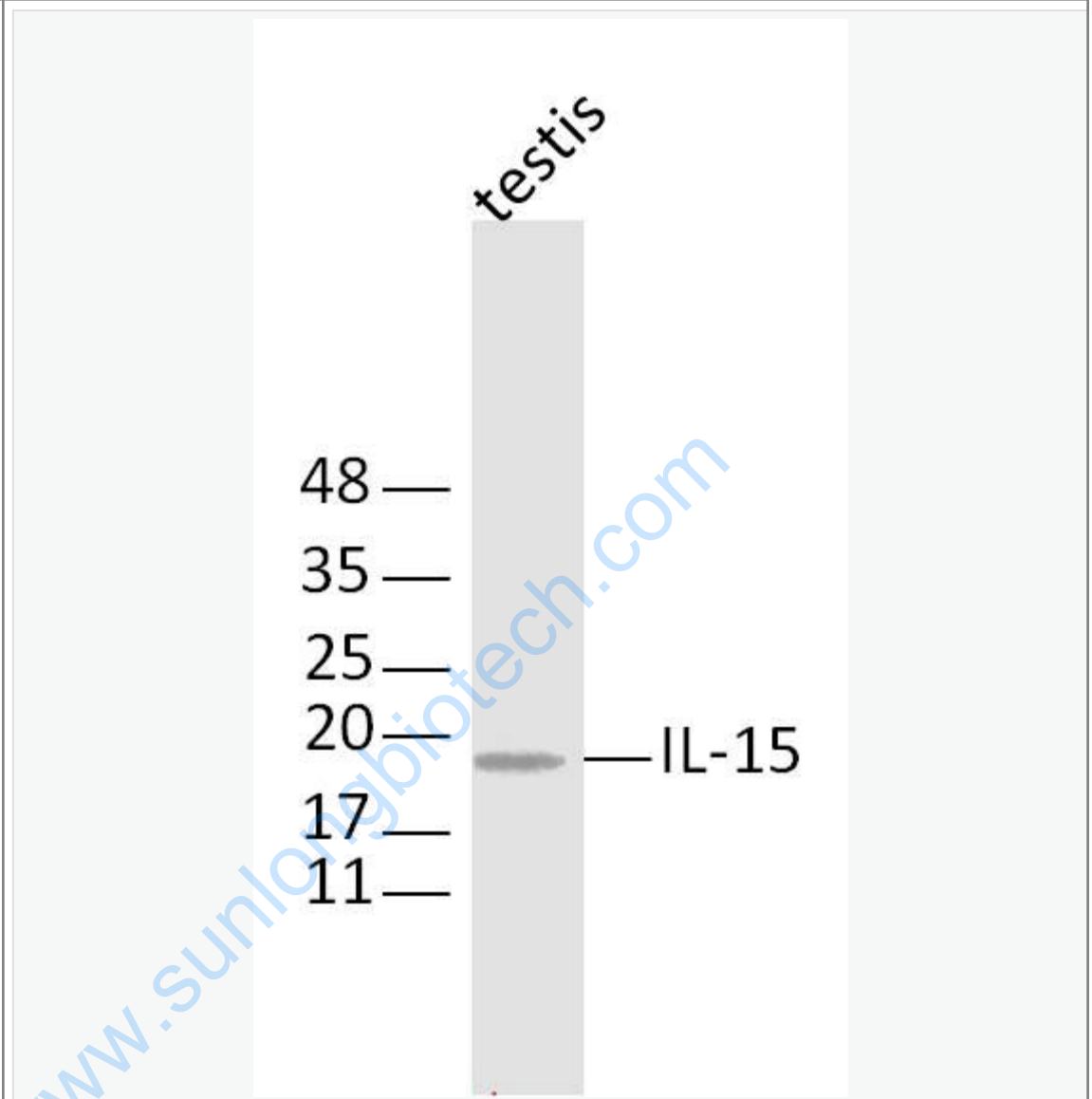
[Unigene: 467304](#)Human

Important Note:

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

白介素11, 是一种多向性cell factor。很多细胞都能合成IL11, 如:endothelial cells、纤维母细胞、软骨细胞、滑膜细胞、成骨细胞、epithelial cells、神经元、胸腺等。正常的血清中, IL11表达很少或处在检测水平之下。对造血系统的功能包括:Stem cells、巨核细胞、marrow cells、红细胞和Blymphocyte的增生和发育。对造血系统之外也具有多相性的作用, 有些是刺激和促进增生, 有些是抑制作用。人、大鼠、小鼠的IL-11的前体有199个氨基酸。成熟形态为178个氨基酸。

Picture:



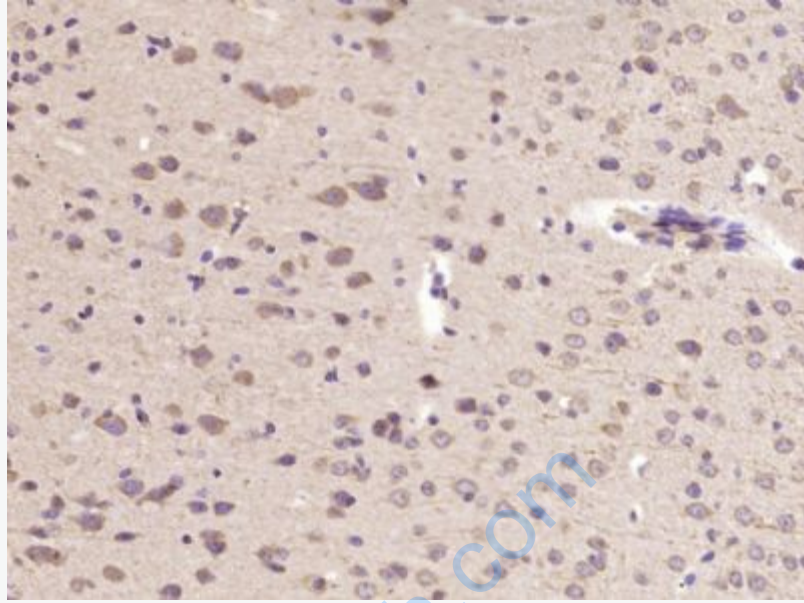
Sample: Testis (Mouse) Lysate at 30 ug

Primary: Anti- IL-15 (SL1827R) at 1/300 dilution

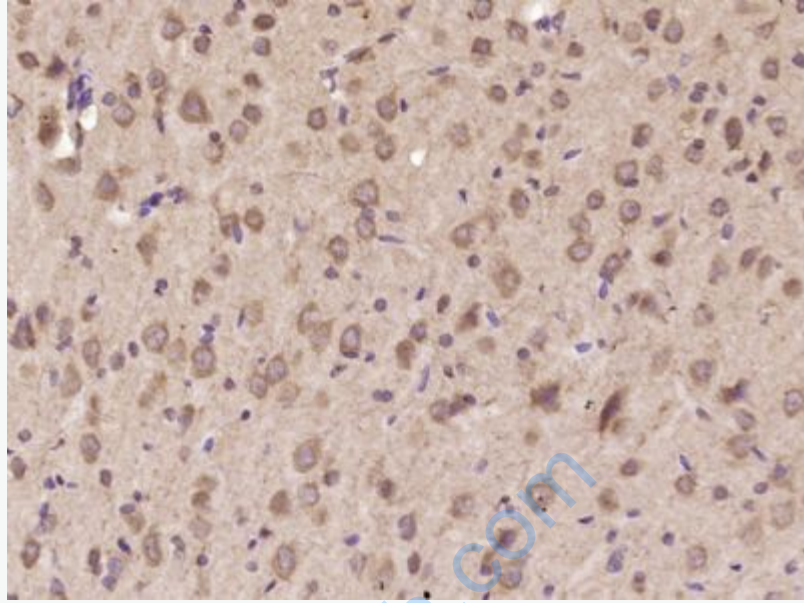
Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/10000 dilution

Predicted band size: 19 kD

Observed band size: 19 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse 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-11) Polyclonal Antibody, Unconjugated (SL1827R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat 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-11) Polyclonal Antibody, Unconjugated (SL1827R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.