

**IL-6 Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV10851****Specification**

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**IL-6 Antibody - Product Information**

Application	WB, E
Primary Accession	<a href="#">P05231</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	23718

**IL-6 Antibody - Additional Information****Gene ID** 3569**Application & Usage****Western Blotting (0.5-4.0 µg/ml). Per researcher's feedback the antibody also works well in Neutralization (2-4 µg/ml). However, the optimal condition should be determined individually.****Other Names**

IL-6, IL6, IL 6, Interluekin-6, Interluekin 6, interluekin

**Target/Specificity**

IL-6

**Antibody Form**

Liquid

**Appearance**

Colorless liquid

**Formulation**

100 µg (0.5 mg/ml) affinity purified rabbit anti-human IL-6 polyclonal antibody in phosphate (PBS, pH 7.2) containing 30% glycerol, 0.5% BSA and 0.01% thimerosal.

**Handling**

The antibody solution should be gently mixed before use.

**Reconstitution & Storage**

-20 °C

**Background Descriptions****Precautions**

IL-6 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## **IL-6 Antibody - Protein Information**

**Name** IL6 ([HGNC:6018](#))

**Synonyms** IFNB2

### **Function**

Cytokine with a wide variety of biological functions in immunity, tissue regeneration, and metabolism. Binds to IL6R, then the complex associates to the signaling subunit IL6ST/gp130 to trigger the intracellular IL6-signaling pathway (Probable). The interaction with the membrane-bound IL6R and IL6ST stimulates 'classic signaling', whereas the binding of IL6 and soluble IL6R to IL6ST stimulates 'trans- signaling'. Alternatively, 'cluster signaling' occurs when membrane- bound IL6:IL6R complexes on transmitter cells activate IL6ST receptors on neighboring receiver cells (Probable).

### **Cellular Location**

Secreted.

### **Tissue Location**

Produced by skeletal muscle.

## **IL-6 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## **IL-6 Antibody - Images**

## **IL-6 Antibody - Background**

IL-6 is a potent lymphoid cell growth factor that stimulates the growth and survivability of certain B cells and T cells. Human IL-6 is a 20.9 kDa protein containing 184 amino acid residues.