

IL-6 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10852**Specification**

IL-6 Antibody - Product Information

Application	WB, E
Primary Accession	P08505
Other Accession	NP_112445
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	24384

IL-6 Antibody - Additional Information**Gene ID** 16193

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.
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Other Names

IL-6, IL6, IL 6, Interleukin-6, Interleukin 6, interleukin

Target/Specificity

IL-6

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.5 mg/ml) affinity purified rabbit anti-murine IL-6 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA, 0.02% sodium azide.

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 {ECO:0000312|MGI:MGI:96559}

Synonyms IL-6

Function

Cytokine with a wide variety of biological functions in immunity, tissue regeneration, and metabolism (Probable). Binds to IL6R, then the complex associates to the signaling subunit IL6ST/gp130 to trigger the intracellular IL6-signaling pathway (PubMed:8910279). 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 (PubMed:27893700).

Cellular Location

Secreted.

Tissue Location

Expressed by dendritic cells and macrophages (PubMed:27893700, PubMed:23045607). Expressed by activated follicular B cells (PubMed:23045607). Abundantly expressed in the central nervous system (CNS), particularly the hypothalamic region (PubMed:28402851)

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.