

Anti-IL6 Picoband Antibody
Catalog # ABO10018**Specification**

Anti-IL6 Picoband Antibody - Product Information

Application	WB, E
Primary Accession	P20607
Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for IL6 detection. Tested with WB, ELISA(Cap) in Mouse;Rat.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-IL6 Picoband Antibody - Additional Information

Gene ID 24498

Other Names

Interleukin-6, IL-6, Il6, Il-6

Application Details

Western blot, 0.1-0.5 µg/ml
 ELISA(Cap), 0.1-0.5 µg/ml

Subcellular Localization

Secreted.

Contents

Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg NaN₃.

Immunogen

A synthetic peptide corresponding to a sequence of rat IL6 (KTIQLILKALEEFLKVTMRSTRQT).

Cross Reactivity

No cross reactivity with other proteins.

Storage

At -20°C; for one year. After r°Constitution, at 4°C; for one month. It°Can also be aliquotted and stored frozen at -20°C; for a longer time. Avoid repeated freezing and thawing.

Anti-IL6 Picoband Antibody - Protein Information

Name IL6 {ECO:0000312|RGD:2901}

Synonyms IL-6

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. 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.

Cellular Location

Secreted.

Anti-IL6 Picoband 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](#)

Anti-IL6 Picoband Antibody - Images

Anti-IL6 Picoband Antibody - Background

Interleukin-6 (IL-6) is a protein that in humans is encoded by the IL6 gene. IL-6 is an interleukin that acts as both a pro-inflammatory and anti-inflammatory cytokine. It is secreted by T cells and macrophages to stimulate immune response to trauma, especially burns or other tissue damage leading to inflammation. IL-6 is one of the most important mediators of fever and of the acute phase response. IL-6 is also essential for hybridoma growth and is found in many supplemental cloning media such as briclone. By in situ hybridization and Southern blot analysis of mouse-human hybrid cell lines, the IL6 gene is mapped to chromosome 7p15.