

Datasheet for ABIN951184
anti-IL-6 Receptor antibody



[Go to Product page](#)

2 Images

Overview

Quantity:	50 µL
Target:	IL-6 Receptor (IL6R)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL-6 Receptor antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Synthetic peptide
Isotype:	IgG
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	Affinity Chromatography

Target Details

Target:	IL-6 Receptor (IL6R)
Alternative Name:	CD126 / IL6R (IL6R Products)
Background:	IL6 exerts its activity through binding to a high affinity receptor complex consisting of two membrane glycoproteins: an 80 kDa IL6 binding receptor protein (IL6R) and a 130 kDa signal transducing protein consisting of a 19 amino acid residue signal peptide (gp130). Human IL6R

Target Details

is a 468 amino acid residue type I membrane protein consisting of a 19 amino acid residue signal peptide, a 339 residue extracellular region, a 28 residue transmembrane region and an 82 residue cytoplasmic region. The ectodomain of IL6R is made up of an immunoglobulin like domain and a cytokine receptor superfamily domain. A naturally occurring soluble form of the IL6R, which binds IL6 and which mediates IL6 signaling through interaction with gp130, is identified in the urine of healthy adult humans. It has also been detected in human and mouse serum as well as in the conditioned medium of various cells including human peripheral blood mononuclear cells, and several T cell or granulocyte/macrophage cell lines. Increased expression of the c-fos and c-myc protooncogenes have been linked to IL6 receptor activation. Synonyms: IL-6R 1, IL-6R-alpha, IL6 Receptor alpha, Interleukin-6 receptor subunit alpha, Membrane glycoprotein 80

Gene ID: 3570

NCBI Accession: [NP_000556](#)

Pathways: [JAK-STAT Signaling](#), [Autophagy](#), [Growth Factor Binding](#), [Cancer Immune Checkpoints](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1.0 mg/mL

Buffer: PBS (without Mg²⁺, Ca²⁺), pH 7.4, 150 mM Sodium Chloride, 0.02 % Sodium Azide and 50 % Glycerol

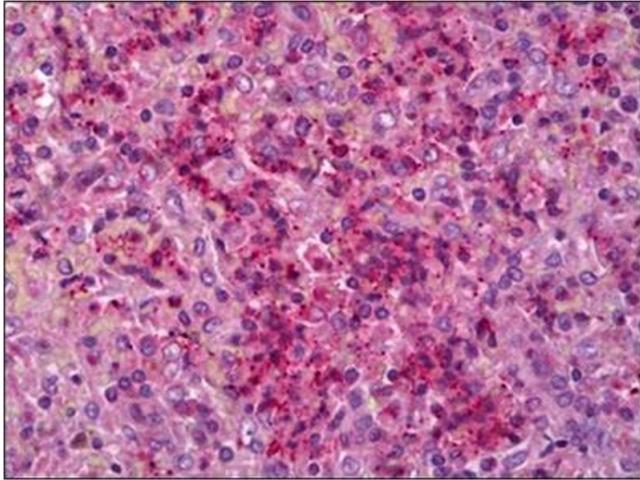
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

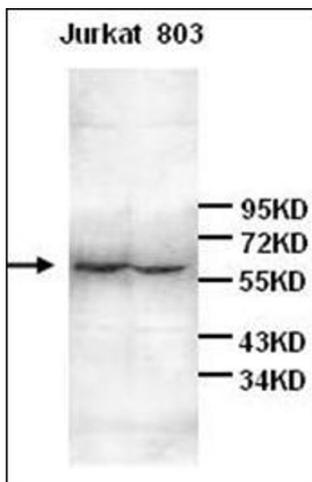
Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Human Spleen: Formalin-Fixed, Paraffin-Embedded (FFPE)



Western Blotting

Image 2. Western Blot analysis of Jurkat and 803 cell lysates with anti-IL6R antibody at 1/200 dilution