

IL6R / IL6 Receptor Antibody
Rabbit Polyclonal Antibody
Catalog # ALS14497**Specification**

IL6R / IL6 Receptor Antibody - Product Information

Application	WB
Primary Accession	P08887
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	52kDa KDa

IL6R / IL6 Receptor Antibody - Additional Information**Gene ID** 3570**Other Names**

Interleukin-6 receptor subunit alpha, IL-6 receptor subunit alpha, IL-6R subunit alpha, IL-6R-alpha, IL-6RA, IL-6R 1, Membrane glycoprotein 80, gp80, CD126, IL6R

Target/Specificity

Not yet tested in other species.

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

IL6R / IL6 Receptor Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

IL6R / IL6 Receptor Antibody - Protein Information**Name** IL6R ([HGNC:6019](#))**Function**

Part of the receptor for interleukin 6. Binds to IL6 with low affinity, but does not transduce a signal (PubMed:28265003). Signal activation necessitate an association with IL6ST. Activation leads to the regulation of the immune response, acute-phase reactions and hematopoiesis (PubMed:30995492, PubMed:31235509). The interaction with membrane-bound IL6R and IL6ST stimulates 'classic signaling', the restricted expression of the IL6R limits classic IL6 signaling to only a few tissues such as the liver and some cells of the immune system. 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

[Isoform 1]: Cell membrane {ECO:0000250|UniProtKB:P22272}; Single-pass type I membrane protein [Soluble interleukin-6 receptor subunit alpha]: Secreted

Tissue Location

[Isoform 2]: Expressed in peripheral blood mononuclear cells and weakly found in urine and serum. 1%-20% of the total sIL6R in plasma is generated by alternative splicing (PubMed:28060820).

Volume

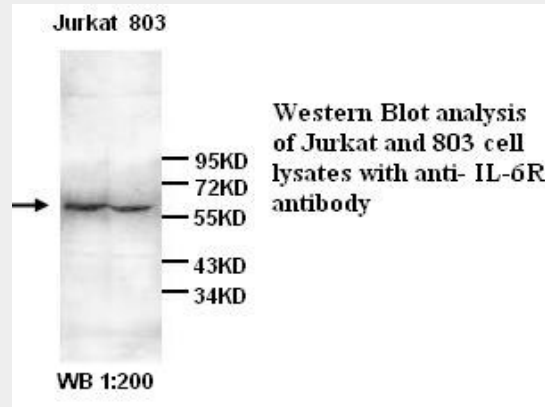
50 μ l

IL6R / IL6 Receptor 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](#)

IL6R / IL6 Receptor Antibody - Images



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IL6R / IL6 Receptor Antibody - Background

Part of the receptor for interleukin 6. Binds to IL6 with low affinity, but does not transduce a signal. Signal activation necessitate an association with IL6ST. Activation may lead to the regulation of the immune response, acute-phase reactions and hematopoiesis.

IL6R / IL6 Receptor Antibody - References

- Yamasaki K., et al. *Science* 241:825-828(1988).
Yamasaki K., et al. *Proc. Jpn. Acad., B, Phys. Biol. Sci.* 64:209-211(1988).
Schooltink H., et al. *Biochem. J.* 277:659-664(1991).
Ota T., et al. *Nat. Genet.* 36:40-45(2004).
Totoki Y., et al. Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.

