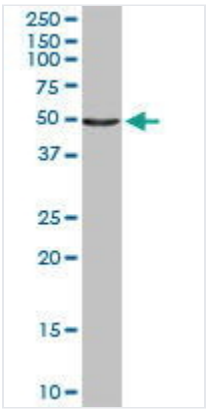
IL6R Antibody – Rabbit Polyclonal

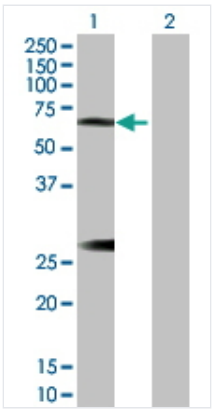
PRODUCT OVERVIEW

Product Name	IL6R, Polyclonal Antibody
Full Product Name	IL6R (Interleukin-6 Receptor Subunit alpha, IL-6 Receptor Subunit alpha, IL-6R Subunit alpha, IL-6R-alpha, IL-6RA, IL-6R 1, Membrane Glycoprotein 8
Product Gene Name	anti-IL6R antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human IL6R.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
Molecular Weight	40,237 Da
OMIM	147880
3D Structure	ModBase 3D Structure for P08887
Immunogen	Full length human IL6R, aa1-468 (NP_000556.1).
Immunogen Sequence	MLAVGCALLAALLAAPGAALAPRRCPAQEVARGVLTSLPGDSVTLTCPGVEPEDNATVHWVLRKPAAGSHPSRWAGMGRRLLLRSVQLHDSGNYSCYR
Conjugate	PE
Note	Preservative Free
Product Categories/Family for anti-IL6R antibody	Antibodies; Interleukin
Applications Tested/Suitable for anti-IL6R antibody	Western Blot (WB)
Application Notes for anti-IL6R antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-IL6R antibody	IL6R is a transmembrane protein that associates with the signal-transducing subunit gp130 to form a high-affinity receptor complex for IL-6. It is expres
Other Notes	Small volumes of anti-IL6R antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessa

Searchable Terms for IL6R purchase	MBS6382837 is an antibody targeting IL6R. Also known as IL6R (Interleukin-6 Receptor Subunit alpha, IL-6 Receptor Subunit alpha, IL-6R Subunit alp



Western Blot (WB) of anti-IL6R antibody
IL6R rabbit polyclonal antibody. Western Blot analysis of IL6R expression in HeLa.



Western Blot (WB) of anti-IL6R antibody
Western Blot analysis of IL6R expression in transfected 293T cell line by IL6R polyclonal antibody. Lane 1: IL6R transfected lysate (51.5kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL6R. It may not necessarily be applicable to this product.

NCBI GI #	4504673
NCBI GeneID	3570
NCBI Accession #	NP_000556.1
UniProt Primary Accession #	P08887
UniProt Secondary Accession #	Q16202; Q53EQ7; Q5FWG2; Q5VZ23; A8KAE8; B2R6V4
UniProt Related Accession #	P08887
GenBank Nucleotide #	NM_000565
NCBI Official Full Name	interleukin-6 receptor subunit alpha isoform 1
NCBI Official Synonym Full Names	interleukin 6 receptor
NCBI Official Symbol	IL6R
NCBI Official Synonym Symbols	IL6Q; gp80; CD126; IL6RA; IL6RQ; IL-6RA; IL-6R-1
UniProt Protein Name	Interleukin-6 receptor subunit alpha
UniProt Synonym Protein Names	IL-6R 1; Membrane glycoprotein 80
Protein Family	Interleukin-6 receptor
UniProt Gene Name	IL6R
UniProt Synonym Gene Names	IL-6 receptor subunit alpha; IL-6R subunit alpha; IL-6R-alpha; IL-6RA; gp80
UniProt Entry Name	IL6RA_HUMAN
NCBI Protein Information	interleukin-6 receptor subunit alpha; CD126 antigen; IL-6 receptor subunit alpha; IL-6R 1; membrane glycoprotein 80

NCBI Summary for IL6R	This gene encodes a subunit of the interleukin 6 (IL6) receptor complex. Interleukin 6 is a potent pleiotropic cytokine that regulates cell growth and differentiation and plays an important role in the immune response. The IL6 receptor is a protein complex consisting of this protein and interleukin 6 signal transducer (IL6ST/GP130/IL6-beta), a receptor subunit also shared by many other cytokines. Dysregulated production of IL6 and this receptor are implicated in the pathogenesis of many diseases, such as multiple myeloma, autoimmune diseases and prostate cancer. Alternatively spliced transcript variants encoding distinct isoforms have been reported. A pseudogene of this gene is found on chromosome 9.[provided by RefSeq, May 2011]
UniProt Comments for IL6R	IL6R: 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. Belongs to the type I cytokine receptor family. Type 3 subfamily. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Receptor, cytokine; Membrane protein, integral Chromosomal Location of Human Ortholog: 1q21 Cellular Component: extracellular space; basolateral plasma membrane; apical plasma membrane; extracellular region; plasma membrane; interleukin-6 receptor complex Molecular Function: protein binding; interleukin-6 binding; protein homodimerization activity; enzyme binding; interleukin-6 receptor binding; ciliary neurotrophic factor receptor activity; interleukin-6 receptor activity Biological Process: positive regulation of smooth muscle cell proliferation; negative regulation of collagen biosynthetic process; cytokine and chemokine mediated signaling pathway; neutrophil mediated immunity; positive regulation of interleukin-6 production; positive regulation of leukocyte chemotaxis; defense response to Gram-negative bacterium; endocrine pancreas development; positive regulation of chemokine production; activation of NF-kappaB transcription factor; positive regulation of tyrosine phosphorylation of Stat3 protein; monocyte chemotaxis; positive regulation of osteoblast differentiation; positive regulation of peptidyl-tyrosine phosphorylation; defense response to Gram-positive bacterium; positive regulation of MAPKKK cascade; response to cytokine stimulus; positive regulation of cell proliferation; acute-phase response; negative regulation of interleukin-8 production; hepatic immune response Disease: Interleukin 6, Serum Level Of, Quantitative Trait Locus; Soluble Interleukin-6 Receptor, Serum Level Of, Quantitative Trait Locus
Research Articles on IL6R	**1.** Carriers of the rs1800795 (IL-6, promoter) G/G and rs8192284 (IL-6R)C/C genotypes showed the worst overall survival
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