IL-6Ralpha Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	IL-6Ralpha, Polyclonal Antibody
Full Product Name	IL-6Ralpha Polyclonal Antibody
Product Gene Name	anti-IL-6Ralpha antibody
Product Synonym Names	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 80; gp80; CD126
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Specificity	IL-6Ralpha Polyclonal Antibody detects endogenous levels of IL-6Ralpha protein.
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.
Molecular Weight	51,548 Da
Chromosome Location	Chromosome: 1; NC_000001.10 (154377669..154441926). Location: 1q21
OMIM	147880
3D Structure	ModBase 3D Structure for P08887
Immunogen	Synthesized peptide derived from the Internal region of human IL-6Ralpha.
Product Categories/Family for anti-IL-6Ralpha antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-IL-6Ralpha antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-IL-6Ralpha antibody	WB: 1:500-1:2000 ELISA: 1:10000
Related Product Information for anti-IL-6Ralpha antibody	MBS8593209 is an antibody targeting IL-6Ralpha. Also known as IL-6Ralpha Polyclonal Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-IL-6Ralpha antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL-6Ralpha. It may not necessarily be applicable to this product.

NCBI GI #	633863
NCBI GeneID	3570

NCBI Accession #	AAC60635.1
UniProt Primary Accession #	P08887
UniProt Secondary Accession #	Q16202; Q53EQ7; Q5FWG2; Q5VZ23; A8KAE8; B2R6V4
UniProt Related Accession #	P08887
NCBI Official Full Name	Soluble interleukin-6 receptor
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
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; IL-6R 1; CD126 antigen; membrane glycoprotein 80; IL-6 receptor subunit alpha
NCBI Summary for IL-6Ralpha	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 IL-6Ralpha	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 IL-6Ralpha	**1.** The IL-6R 48892 A/C polymorphism is associated with high TG and WC, and low HDL-C levels in adolescents

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