

Product name:	IL-6R α Rabbit Polyclonal Antibody
Cat number:	ABN12565
Conjugate:	Unconjugated
Size:	100 μ L
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	The antiserum was produced against synthesized peptide derived from the Internal region of human IL6R. AA range:221-270
Reactivity:	Human,Rat,Mouse
Applications:	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000
Molecular Weight:	53kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.

Background:

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],domain:The two fibronectin type-III-like domains, contained in the N-terminal part, form together a cytokine-binding domain.,domain:The WSXWS motif appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding.,function:Low concentration of a soluble form of IL6 receptor acts as an agonist of IL6 activity.,function: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.,PTM:A short soluble form may also be released from the membrane by proteolysis.,similarity:Belongs to the type I cytokine receptor family. Type 3 subfamily.,similarity:Contains 1 fibronectin type-III domain.,similarity:Contains 1 Ig-like C2-type (immunoglobulin-like) domain.,subunit:Hexamer of two molecules each of IL6, IL6R and IL6ST.,tissue specificity:Isoform 2 is expressed in peripheral blood mononuclear cells and weakly found in urine and serum.,