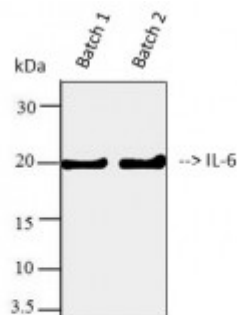


## Anti-IL-6 antibody



Western Blot (WB) analysis of K562 cell lysate using IL-6 antibody (STJ96713) from 2 batches.



### Description

IL-6 is a protein encoded by the IL6 gene which is approximately 23,7 kDa. IL-6 is secreted and is involved in apoptotic pathways in synovial fibroblasts, PEDF induced signalling, the GPCR Pathway, the TGF-Beta pathway and toll-like receptor signalling pathways. IL6 is a cytokine that functions in inflammation and the maturation of B cells. The protein is primarily produced at sites of acute and chronic inflammation, where it is secreted into the serum and induces a transcriptional inflammatory response through interleukin 6 receptor. IL-6 is expressed in the lung, blood, nervous system, bone marrow and the intestines. Mutations in the IL6 gene result in rheumatoid arthritis systemic juvenile and an inflammatory articular disorder. STJ96713 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. This polyclonal antibody detects endogenous levels of IL-6 protein.

<b>Model</b>	STJ96713
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human
<b>Applications</b>	ELISA, IHC, WB
<b>Immunogen</b>	Synthesized peptide derived from human IL-6.
<b>Immunogen Region</b>	Internal
<b>Gene ID</b>	<a href="#">3569</a>
<b>Gene Symbol</b>	<a href="#">IL6</a>
<b>Dilution range</b>	WB 1:500-1:2000IHC-P 1:100-1:300ELISA 1:20000

<b>Specificity</b>	IL-6 Polyclonal Antibody detects endogenous levels of IL-6 protein.
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Note</b>	For Research Use Only (RUO).
<b>Protein Name</b>	Interleukin-6 IL-6 B-cell stimulatory factor 2 BSF-2 CTL differentiation factor CDF Hybridoma growth factor Interferon beta-2 IFN-beta-2
<b>Molecular Weight</b>	25 kDa
<b>Clonality</b>	Polyclonal
<b>Conjugation</b>	Unconjugated
<b>Isotype</b>	IgG
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Concentration</b>	1 mg/ml
<b>Storage Instruction</b>	Store at -20°C, and avoid repeat freeze-thaw cycles.
<b>Database Links</b>	<a href="https://www.ncbi.nlm.nih.gov/condensedcode/60180MIM:147620">HGNC:60180MIM:147620</a>
<b>Alternative Names</b>	Interleukin-6 IL-6 B-cell stimulatory factor 2 BSF-2 CTL differentiation factor CDF Hybridoma growth factor Interferon beta-2 IFN-beta-2
<b>Function</b>	Cytokine with a wide variety of biological functions. It is a potent inducer of the acute phase response. Plays an essential role in the final differentiation of B-cells into Ig-secreting cells Involved in lymphocyte and monocyte differentiation. Acts on B-cells, T-cells, hepatocytes, hematopoietic progenitor cells and cells of the CNS. Required for the generation of T(H)17 cells. Also acts as a myokine. It is discharged into the bloodstream after muscle contraction and acts to increase the breakdown of fats and to improve insulin resistance. It induces myeloma and plasmacytoma growth and induces nerve cells differentiation.
<b>Cellular Localization</b>	Secreted.
<b>Post-translational Modifications</b>	N- and O-glycosylated.