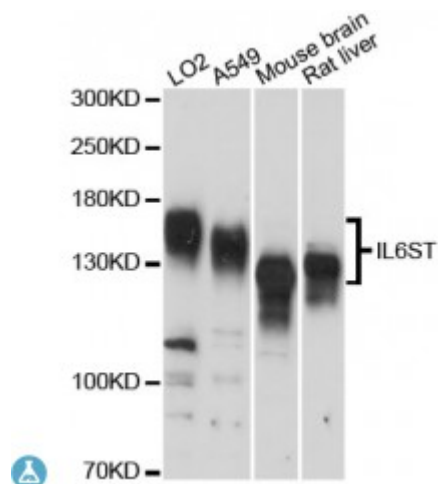


Anti-IL6ST Antibody



Description

The protein encoded by this gene is a signal transducer shared by many cytokines, including interleukin 6 (IL6), ciliary neurotrophic factor (CNTF), leukemia inhibitory factor (LIF), and oncostatin M (OSM). This protein functions as a part of the cytokine receptor complex. The activation of this protein is dependent upon the binding of cytokines to their receptors. vIL6, a protein related to IL6 and encoded by the Kaposi sarcoma-associated herpesvirus, can bypass the interleukin 6 receptor (IL6R) and directly activate this protein. Knockout studies in mice suggest that this gene plays a critical role in regulating myocyte apoptosis. Alternatively spliced transcript variants have been described. A related pseudogene has been identified on chromosome 17.

Model	STJ116862
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 678-857 of human IL6ST (NP_001177910.1).
Gene ID	3572
Gene Symbol	IL6ST
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Found in all the tissues and cell lines examined
Purification	Affinity purification
Note	For Research Use Only (RUO).

Protein Name	Interleukin-6 receptor subunit beta IL-6 receptor subunit beta IL-6R subunit beta IL-6R-beta IL-6RB CDw130 Interleukin-6 signal transducer Membrane glycoprotein 130 gp130 Oncostatin-M receptor subunit
Molecular Weight	103.537 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:6021OMIM:600694Reactome:R-HSA-1059683
Alternative Names	Interleukin-6 receptor subunit beta IL-6 receptor subunit beta IL-6R subunit beta IL-6R-beta IL-6RB CDw130 Interleukin-6 signal transducer Membrane glycoprotein 130 gp130 Oncostatin-M receptor subunit
Function	Signal-transducing molecule, The receptor systems for IL6, LIF, OSM, CNTF, IL11, CTF1 and BSF3 can utilize IL6ST for initiating signal transmission, Binding of IL6 to IL6R induces IL6ST homodimerization and formation of a high-affinity receptor complex, which activates Janus kinases ,
Cellular Localization	Cell membrane
Post-translational Modifications	Phosphorylation of Ser-782 down-regulates cell surface expression,

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