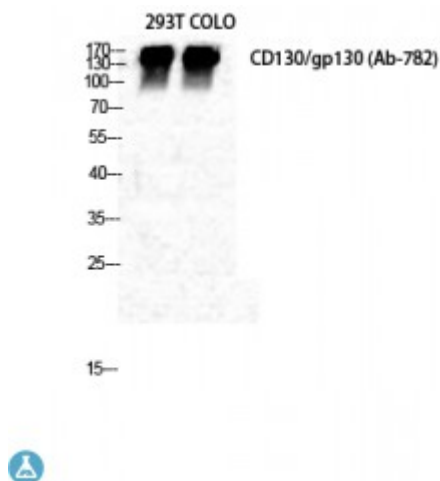


Anti-CD130 antibody



Description	Rabbit polyclonal to CD130.
Model	STJ92086
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human CD130 around the non-phosphorylation site of S782.
Immunogen Region	720-800 aa
Gene ID	3572
Gene Symbol	IL6ST
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:20000
Specificity	CD130 Polyclonal Antibody detects endogenous levels of CD130 protein.
Tissue Specificity	Found in all the tissues and cell lines examined . Expression not restricted to IL6 responsive cells . Expressed in blood serum (at protein level) .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
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	160 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:6021OMIM:600694
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 . That causes phosphorylation of IL6ST tyrosine residues which in turn activates STAT3 . Mediates signals which regulate immune response, hematopoiesis, pain control and bone metabolism . Has a role in embryonic development . Does not bind IL6 . Essential for survival of motor and sensory neurons and for differentiation of astrocytes . Required for expression of TRPA1 in nociceptive neurons . Required for the maintenance of PTH1R expression in the osteoblast lineage and for the stimulation of PTH-induced osteoblast differentiation . Required for normal trabecular bone mass and cortical bone composition .
Sequence and Domain Family	The WSXWS motif appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding.; The box 1 motif is required for JAK interaction and/or activation.
Cellular Localization	Isoform 1: Cell membrane Isoform 2: Secreted
Post-translational Modifications	Phosphorylation of Ser-782 down-regulates cell surface expression. Heavily N-glycosylated . Glycosylation is required for protein stability and localization in plasma membrane but not for ligand binding .