



# CD130/gp130 (Phospho-Ser782) Monoclonal Antibody

<b>Catalog No</b>	BYmab-10351
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human; Mouse
<b>Applications</b>	WB
<b>Gene Name</b>	IL6ST
<b>Protein Name</b>	CD130/gp130 (Phospho-Ser782)
<b>Immunogen</b>	Synthesized peptide derived from human CD130/gp130 (Phospho-Ser782)
<b>Specificity</b>	This antibody detects endogenous phospho levels of CD130/gp130 (Phospho-Ser782) at Human:S782, Mouse:S780
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	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 alpha;CD antigen CD130)
<b>Observed Band</b>	130kD
<b>Cell Pathway</b>	[Isoform 1]: Cell membrane ; Single-pass type I membrane protein .; [Isoform 2]: Secreted .
<b>Tissue Specificity</b>	Found in all the tissues and cell lines examined (PubMed:2261637). Expression not restricted to IL6 responsive cells (PubMed:2261637). ; [Isoform 2]: Expressed in blood serum (at protein level) (PubMed:24629561).
<b>Function</b>	disease:Isoform 2 is an autoantigen found in rheumatoid arthritis (RA) but it is not specific to patients with RA.;domain:The box 1 motif is required for JAK interaction and/or activation.;domain:The WSXWS motif appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding.;function:Signal-transducing molecule. The receptor systems for IL6, LIF, OSM, CNTF, IL11, CTF1 and BSF3 can utilize gp130 for initiating signal transmission. Binds to IL6/IL6R (alpha chain) complex, resulting in the formation of high-affinity IL6 binding sites, and transduces the signal. Does not bind IL6.

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May have a role in embryonic development (By similarity). The type I OSM receptor is caMABLE of transducing OSM-specific signaling events.,induction:Leukemia inhibitory factor (LIF) and Oncostatin-M (OSM) activate the type I OSM receptor while only

#### Background

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. [provided by RefSeq, May 2014],

#### matters needing attention

Avoid repeated freezing and thawing!

#### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images

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