



gp130 (Phospho-Tyr759) rabbit pAb

Catalog No	YP-Ab-10465
Isotype	IgG
Reactivity	Human; Mouse;Rat
Applications	WB
Gene Name	IL6ST
Immunogen	Synthesized peptide derived from human gp130 (Phospho-Tyr759)
Specificity	This antibody detects endogenous levels of gp130 (Phospho-Tyr759) at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, and 0.120% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CD13;CD13 antigen;CDw13;gp13;GP13 RAPS;IL 6R beta;IL-6 receptor subunit beta;IL-6R subunit beta;IL-6R-beta;IL-6RB;IL6 ST;IL6RB_HUMAN;IL6ST; Interleukin 6 receptor subunit beta;Interleukin receptor beta chain;Interleukin-6 receptor subunit beta;Interleukin-6 signal transducer;Membrane glycoprotein 13; Membrane glycoprotein gp13;Oncostatin M receptor;Oncostatin M receptor alpha subunit;Oncostatin-M receptor subunit alpha;CD130/gp130;gp130 (Phospho-Tyr759);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)
Observed Band	
Calculated Molecular Weight	16kDa; 14kD
Cell Pathway	[Isoform 1]: Cell membrane ; Single-pass type I membrane protein .; [Isoform 2]: Secreted .
Tissue Specificity	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).



Function

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. May have a role in embryonic development (By similarity). The type I OSM receptor is capable 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.

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