CD130/gp130 (Phospho Tyr759) Rabbit pAb

CatalogNo: YP1693

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Rat

Applications
- WB

MW
- 101kD (Calculated)

Isotype
- IgG

Storage

Storage*	-15°C to -25°C/1 year (Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	Synthesized peptide derived from human gp130 (Phospho-Tyr759)
Specificity	This antibody detects endogenous levels of gp130 (Phospho-Tyr759) at Human, Mouse,Rat.The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):VQyST

Target Information

Gene name IL6ST

Protein Name Interleukin-6 receptor subunit beta (Phospho-Tyr759)

Organism	Gene ID	UniProt ID
Human	3572;	P40189;
Mouse	16195;	Q00560;
Rat		P40190;

Cellular Localization [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 OSM can activate the type II OSM receptor. ,PTM:Heavily N-glycosylated. ,PTM:Phosphorylation of Ser-782 down-regulates cell surface expression. ,similarity:Belongs to the type I cytokine receptor family. Type 2 subfamily. ,similarity:Contains 1 Ig-like C2-type (immunoglobulin-like) domain. ,similarity:Contains 5 fibronectin type-III domains. ,subunit:Interacts with INPP5D/SHIP1 (By similarity) . Forms heterodimers composed of LIPR and IL6ST (type I OSM receptor) . Also forms heterodimers composed of OSMR and IL6ST (type II OSM receptor) . Homodimer. The homodimer binds two molecules of herpes virus IL6. Component of a hexamer of two molecules each of IL6 , IL6R and IL6ST. ,tissue specificity:Found in all the tissues and cell lines examined. Expression not restricted to IL6 responsive cells. ,

Validation Data

Contact information

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Please scan the QR code to access additional product information:
CD130/gp130 (Phospho Tyr759) Rabbit pAb

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