

Rabbit anti-Mouse gp130/IL6ST Monoclonal Antibody | anti-IL6ST antibody

Recombinant Anti-gp130/IL6ST Antibody, Rabbit Monoclonal

CATALOG # AAA257097	HOST Rabbit	REACTIVITY Mouse	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

gp130/IL6ST; Monoclonal Antibody; Recombinant Anti-gp130/IL6ST Antibody; Rabbit Monoclonal; gp130/CD130/IL6ST Antibody; Rabbit MAb; interleukin 6 signal transducer; Anti-5133400A03Rik Antibody; Anti-AA389424 Antibody; Anti-BB405851 Antibody; Anti-CD130 Antibody; Anti-D13Ert699e Antibody; Anti-gp130 Antibody; anti-IL6ST antibody

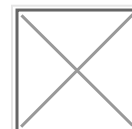
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	223
Specificity	Mouse gp130/CD130/IL6ST
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-IL6ST antibody	IHC (Immunohistochemistry)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Mouse gp130/CD130/IL6ST protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Mouse gp130/CD130/IL6ST (rM gp130/CD130/IL6ST).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Immunochemical staining of mouse IL6ST in mouse brain with rabbit monoclonal antibody (1:10000, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)
Immunochemical staining of mouse IL6ST in mouse heart with rabbit monoclonal antibody (1:10000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-IL6ST antibody	Glycoprotein 130 (also known as gp130, IL6ST, IL6-beta, or CD130) is a transmembrane protein that is the founding member of the class of all cytokine receptors. CD130/gp130 is a signal transducer shared by many cytokines, including interleukin 6 (IL6), ciliary neurotrophic factor (CNTF), leukemia inhibitory factor (LIF), and Oncostatin M (OSM). CD130/gp130 functions as a part of the cytokine receptor complex. The activation of this protein is dependent upon the binding of cytokines to their receptors. CD130/gp130 plays a critical role in regulating myocyte apoptosis. Alternatively, spliced transcript variants encoding distinct isoforms have been described. A related pseudogene has been identified on chromosome 17. The receptor systems for IL6, LIF, OSM, CNTF, IL11, CTF1, and BSF3 can utilize gp130 for initiating signal transmission. CD130/gp130 binds to IL6/IL6R (alpha chain) complex, resulting in the formation of high-affinity IL6 binding sites, and transduces the signal. CD130/gp130 may have a role in embryonic development. The type I OSM receptor is capable of transducing OSM-specific signaling events.
Product Categories/Family for anti-IL6ST antibody	AKT Signaling Pathway
References	Hibi, et al. (1990) Molecular cloning and expression of an IL-6 signal transducer, gp130. Cell. 63 (6): 1149-57. Kim H, et al. (1997) Transmembrane domain of gp130 contributes to intracellular signal transduction in hepatic cells. J Biol Chem. 272 (49): 30741-7. Giordano V, et al. (1997) Shc mediates IL-6 signaling by interacting with gp130 and Jak2 kinase. J Immunol. 158 (9): 4097-103.

NCBI AND UNIPROT INFORMATION

NCBI GI #	225007625
NCBI GeneID	16195
NCBI Accession #	NP_034690.3
NCBI GenBank Nucleotide #	NM_010560.3
UniProt Accession #	Q00560; G5E8D2
Molecular Weight	102,451 Da
NCBI Official Full Name	interleukin-6 receptor subunit beta
NCBI Official Synonym Full Names	interleukin 6 signal transducer
NCBI Official Symbol	IL6st
NCBI Official Synonym Symbols	CD130; gp130; AA389424; BB405851; D13Erttd699e; 5133400A03Rik
NCBI Protein Information	interleukin-6 receptor subunit beta
UniProt Protein Name	Interleukin-6 receptor subunit beta
UniProt Gene Name	IL6st
UniProt Synonym Gene Names	IL-6 receptor subunit beta; IL-6R subunit beta; IL-6R-beta; IL-6RB; gp130
UniProt Entry Name	IL6RB_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.