CD130 Antibody

Catalog No: #48366

Package Size: #48366-1 50ul #48366-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

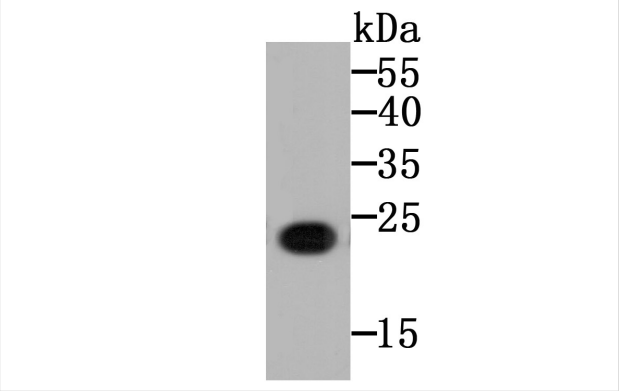
Description

Product Name	CD130 Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	B11-B9-A8
Purification	ProG affinity purified
Applications	WB,IHC,ICC
Species Reactivity	Human
Immunogen Description	Recombinant protein
Conjugates	Unconjugated
Other Names	CD130 antibody CD130 antigen antibody CDw130 antibody gp130 antibody GP130 RAPS antibody IL 6R beta antibody IL-6 receptor subunit beta antibody IL-6R subunit beta antibody IL-6R-beta antibody IL-6RB antibody IL6 ST antibody IL6RB_HUMAN antibody IL6ST antibody Interleukin 6 receptor subunit beta antibody Interleukin receptor beta chain antibody Interleukin-6 receptor subunit beta antibody Interleukin-6 signal transducer antibody Membrane glycoprotein 130 antibody Membrane glycoprotein gp130 antibody Oncostatin M receptor antibody Oncostatin M receptor alpha subunit antibody Oncostatin-M receptor subunit alpha antibody
Accession No.	Swiss-Prot#:P40189
Calculated MW	103 kDa
Formulation	1*TBS (pH7.4), 0.5%BSA, 50%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

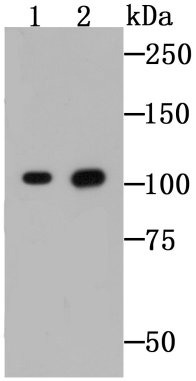
Application Details

WB: 1:500-1:2,000IHC: 1:50-1:200ICC: 1:50-1:200

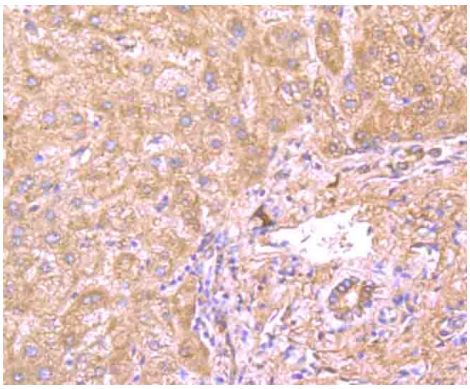
Images



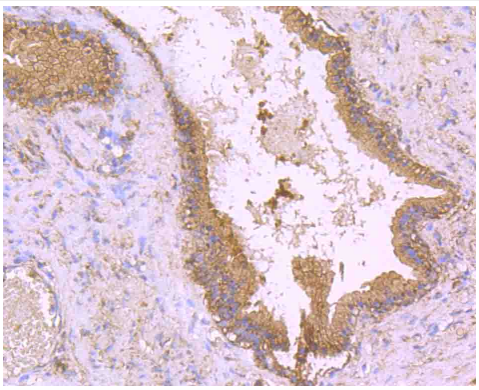
Western blot analysis of CD130 on CD130 recombinant protein using anti-CD130 antibody at 1/5,000 dilution.



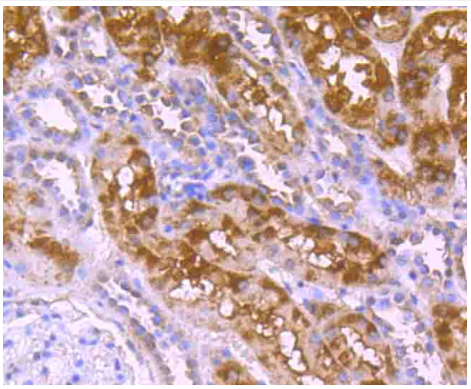
Western blot analysis of CD130 on Raji cell (1) and mouse lung tissue (2) lysates using anti-CD130 antibody at 1/500 dilution.



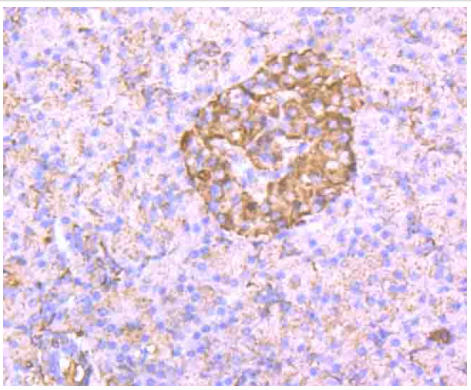
Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-CD130 antibody. Counter stained with hematoxylin.



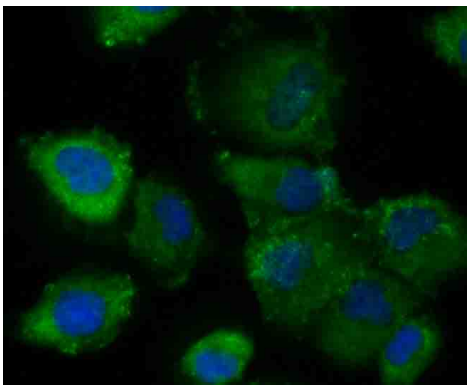
Immunohistochemical analysis of paraffin-embedded human prostate tissue using anti-CD130 antibody. Counter stained with hematoxylin.



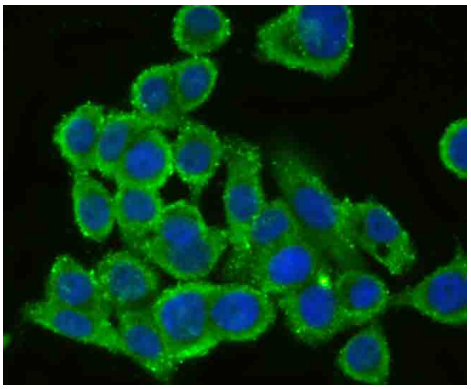
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-CD130 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human pancreas tissue using anti-CD130 antibody. Counter stained with hematoxylin.



ICC staining CD130 (green) in HUVEC cells. The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining CD130 (green) in LOVO cells. The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

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.

References

1. Schutt A et al. gp130 activation is regulated by D2-D3 interdomain connectivity. Biochem. J. 450:487-496 (2013). 2. Waetzig GH et al. N-linked glycosylation is essential for the stability but not the signaling function of the interleukin-6 signal transducer glycoprotein 130. J. Biol. Chem. 285:1781-1789 (2010).

Published Papers

el at., ART1 knockdown decreases IL-6-induced proliferation activity in colorectal cancer cells, , (2022)

PMID:

el at., ART1 knockdown decreases the IL-6-induced proliferation of colorectal cancer cells. In BMC Cancer on 2024 Mar 19

by Ting Lin, Shuxian Zhang,et al..PMID:38504172, , (2024)

PMID:38504172

Note: This product is for in vitro research use only and is not intended for use in humans or animals.