

Anti-gp130/IL6ST Antibody (2B824)

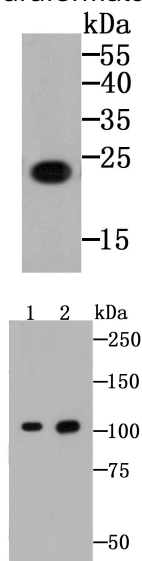
Product Details

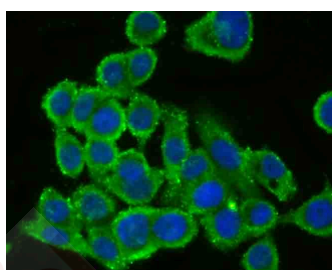
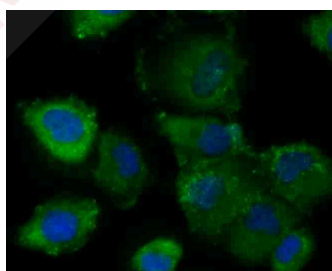
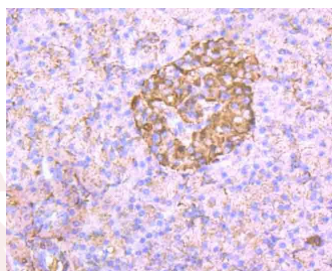
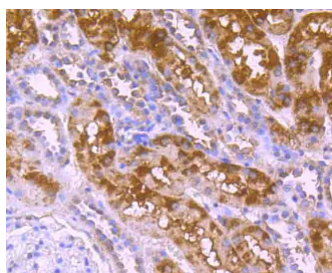
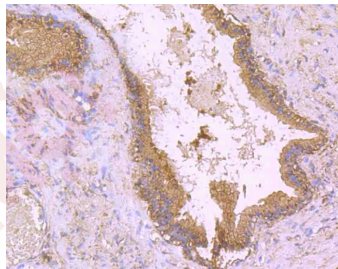
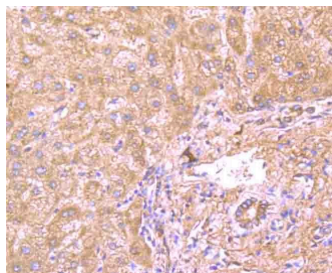
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 103 kDa.
Clone:	2B824
Purification:	ProG affinity purified

Applications

Verified Activity:

1. Western blot analysis of CD130 on CD130 recombinant protein using anti-CD130 antibody at 1/5,000 dilution.
2. Western blot analysis of CD130 on Raji cell (1) and mouse lung tissue (2) lysates using anti-CD130 antibody at 1/500 dilution.
3. Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-CD130 antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded human prostate tissue using anti-CD130 antibody. Counter stained with hematoxylin.
5. Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-CD130 antibody. Counter stained with hematoxylin.
6. Immunohistochemical analysis of paraffin-embedded human pancreas tissue using anti-CD130 antibody. Counter stained with hematoxylin.
7. 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.
8. 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.





Application: ICC,IHC,WB

Recommended WB: 1:500-2000; IHC: 1:50-200; ICC: 1:50-200

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: P40189

Synonyms: CD130;GP130;IL-6RB;interleukin 6 signal transducer;CDW130

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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