

For Research Use Only

Mouse gp130/IL6ST Recombinant antibody, PBS Only

Catalog Number: 84794-4-PBS



Basic Information

Catalog Number:

84794-4-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_010560.3

GeneID (NCBI):

16195

UNIPROT ID:

Q00560

Full Name:

interleukin 6 signal transducer

Calculated MW:

102kDa, 917aa

Observed MW:

140 kDa

Purification Method:

Protein A purification

CloneNo.:

242236E1

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

mouse

Background Information

GP130, also known as IL6ST, is a transmembrane protein that serves as a shared signal-transducing subunit for a variety of cytokines (PMID: 39414364), including interleukin-6 (IL-6), IL-11, IL-27, leukemia inhibitory factor (LIF), ciliary neurotrophic factor (CNTF), oncostatin M (OSM), cardiotrophin-1 (CT-1), cardiotrophin-like cytokine (CLC)/CLC factor 1 (CLCF-1), and neuropoietin (PMID: 24099136). This protein is highly conserved among vertebrates and plays a crucial role in mediating interactions between a wide range of immune and non-immune cells. GP130 was originally discovered in 1978 and was successfully cloned and expressed in 1990, leading to a deeper understanding of cytokine signaling pathways (PMID: 308233).

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

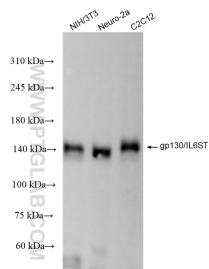
T: 4006900926

E: Proteintech-CN@ptglab.com

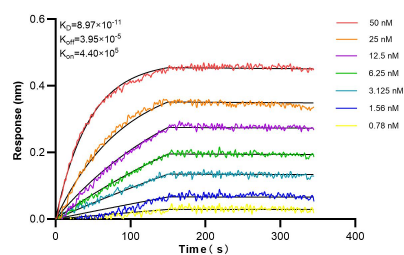
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84794-4-RR (gp130/IL6ST antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84794-4-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84794-4-RR against Mouse gp130/IL6ST were performed. The affinity constant is 89.7 pM.