

For Research Use Only

# gp130/IL6ST Recombinant antibody

Catalog Number: 84794-4-RR



## Basic Information

**Catalog Number:**

84794-4-RR

**Size:**

100ul , Concentration: 1000 ug/ml by Nanodrop;

**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

**Recommended Dilutions:**

WB 1:2000-1:10000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

mouse

**Positive Controls:**

WB : NIH/3T3 cells, Neuro-2a cells, C2C12 cells

## 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 -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

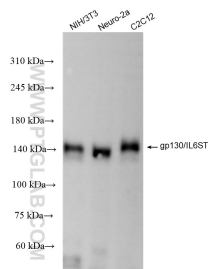
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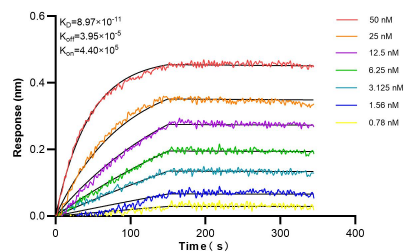
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## Selected Validation Data



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.



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