

For Research Use Only

gp130/IL6ST Recombinant antibody

Catalog Number: 84794-4-RR



Basic Information

Catalog Number: 84794-4-RR	GenBank Accession Number: NM_010560.3	Purification Method: Protein A purification
Size: 1000 ug/ml	GeneID (NCBI): 16195	CloneNo.: 242236E1
Source: Rabbit	UNIPROT ID: Q00560	Recommended Dilutions: WB 1:2000-1:10000
Isotype: IgG	Full Name: interleukin 6 signal transducer	
	Calculated MW: 102kDa, 917aa	
	Observed MW: 140 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : NIH/3T3 cells, Neuro-2a cells, C2C12 cells
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 -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

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

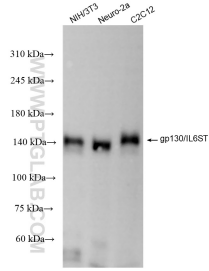
T: 4006900926

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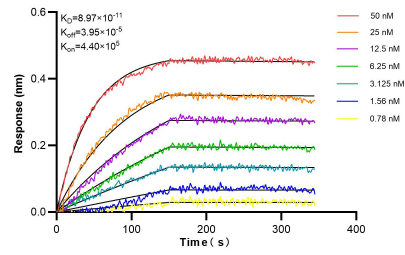
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Selected Validation Data



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.