

For Research Use Only

Mouse gp130/IL6ST Recombinant antibody, PBS Only

Catalog Number: 84794-4-PBS



Basic Information

Catalog Number: 84794-4-PBS	GenBank Accession Number: NM_010560.3	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 16195	CloneNo.: 242236E1
Source: Rabbit	UNIPROT ID: Q00560	
Isotype: IgG	Full Name: interleukin 6 signal transducer	
	Calculated MW: 102kDa, 917aa	
	Observed MW: 140 kDa	

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

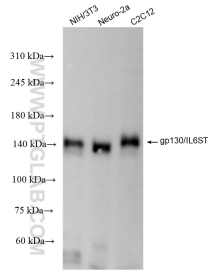
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

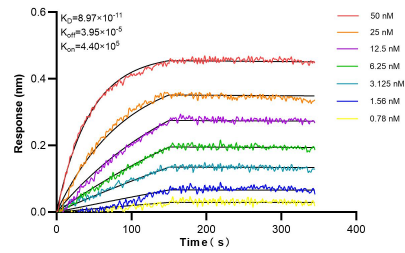
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Selected Validation Data



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.