

For Research Use Only

NCS1 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87673-1-PBS



Basic Information

Catalog Number: 87673-1-PBS	GenBank Accession Number: NM_014286.3	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 23413	CloneNo.: 253130F1
Source: Rabbit	UNIPROT ID: P62166-1	
Isotype: IgG	Full Name: frequenin homolog (Drosophila)	
Immunogen Catalog Number: EG5439	Calculated MW: 22 kDa	
	Observed MW: 20 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

Neuronal Calcium Sensor 1 is a member of the NCS protein family, a group of evolutionarily conserved, calcium-binding proteins predominantly expressed in the nervous system and neuroendocrine cells. NCS-1 is the vertebrate homolog of the extensively studied *Drosophila* protein Frequentin. It plays a crucial and multifaceted role in regulating neuronal signaling, synaptic plasticity, and neurotransmitter release.

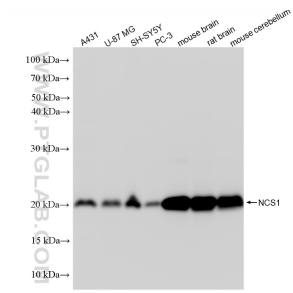
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

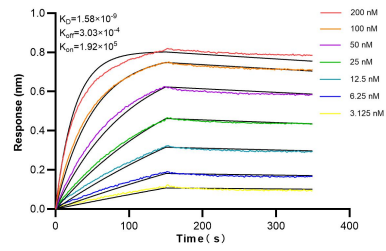
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87673-1-RR (NCS1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87673-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 87673-1-RR against Human NCS1 were performed. The affinity constant is 1.58 nM.