

For Research Use Only

# NCS1 Recombinant monoclonal antibody, PBS Only

Catalog Number:87673-1-PBS



## Basic Information

<b>Catalog Number:</b> 87673-1-PBS	<b>GenBank Accession Number:</b> NM_014286.3	<b>Purification Method:</b> Protein A purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 23413	<b>CloneNo.:</b> 253130F1
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> P62166-1	
<b>Immunogen Catalog Number:</b> EG5439	<b>Full Name:</b> frequenin homolog (Drosophila)	
	<b>Calculated MW:</b> 22 kDa	
	<b>Observed MW:</b> 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.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS only, pH7.3

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

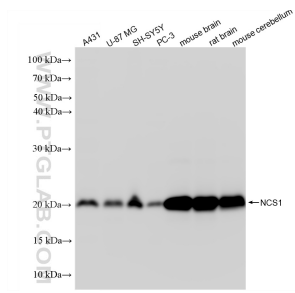
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

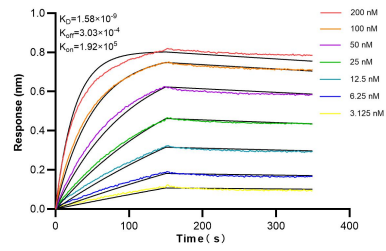
W: [ptgcn.com](http://ptgcn.com)

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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.