

NCS-1 Polyclonal Antibody

CATALOG NO:	3693-30T	30 µg (Trial size)
	3693-100	100 µg
HOST:	Rabbit	
IMMUNOGEN:	Synthetic peptide surrounding amino acid 180 of human NCS-1 (ID# BV-121).	

FORMULATION:

0.5 mg/ml Protein A affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

SPECIES REACTIVITY: Human, Rat

STORAGE CONDITIONS:

Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/defrost cycles.

DESCRIPTION:

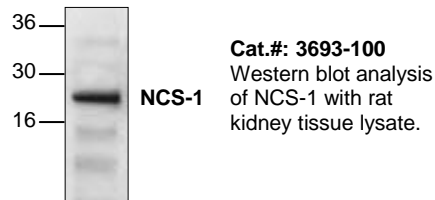
The neuronal calcium sensor (NCS) protein binds to calcium through EF-hand motifs, are expressed in neurons. They are implicated in the regulation of neurotransmitters released at the neuromuscular junctions. NCS-1 is widely distributed in the brain, spinal cord and dorsal root ganglia. It has been shown to regulate neurosecretion in a calcium-dependent manner, potentiates nitric oxide synthase activity. NCS-1 has been reserved to indicate the protein observed in humans and mammals.

SPECIFICITY:

The antibody recognizes ~24 kDa NCS-1 from samples of human and rat origins. Reactivity to other species has not been determined.

APPLICATION:

The antibody can be used for Western blotting (0.5-4 µg/ml). However, the optimal concentrations should be determined individually. Rat kidney tissue lysate can be used as a positive control. Blocking peptide (Cat.# 3693BP-50) is also available separately.



FOR RESEARCH USE ONLY! Not to be used on humans.

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