

NCS-1 Blocking Peptide
Catalog # PBV10318b**Specification**

NCS-1 Blocking Peptide - Product Information

Primary Accession	P62166
Other Accession	AAP97256
Gene ID	23413
Calculated MW	21879

NCS-1 Blocking Peptide - Additional Information**Gene ID** 23413**Application & Usage**

The peptide is used for blocking the antibody activity of active NCS-1. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30 minutes at 37°C

Other Names

Neuronal calcium sensor 1, NCS-1, Frequentin homolog, Frequentin-like protein, Frequentin-like ubiquitous protein, NCS1, FLUP, FREQ

Target/Specificity

NCS-1

Formulation

50 µg (0.2 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 0.1% BSA and 0.02% thimerosal.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

NCS-1 Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

NCS-1 Blocking Peptide - Protein Information**Name** NCS1**Synonyms** FLUP, FREQ**Function**

Neuronal calcium sensor, regulator of G protein-coupled receptor phosphorylation in a calcium dependent manner. Directly regulates GRK1 (RHOK), but not GRK2 to GRK5. Can substitute for calmodulin (By similarity). Stimulates PI4KB kinase activity (By similarity). Involved in long-term synaptic plasticity through its interaction with PICK1 (By similarity). May also play a role in neuron differentiation through inhibition of the activity of N-type voltage- gated calcium channel (By similarity).

Cellular Location

Golgi apparatus. Postsynaptic density. Cytoplasm, perinuclear region. Cytoplasm {ECO:0000250|UniProtKB:P62168}. Cell membrane; Peripheral membrane protein. Membrane {ECO:0000250|UniProtKB:P62168}; Lipid-anchor Note=Associated with Golgi stacks. Post-synaptic densities of dendrites, and in the pre-synaptic nerve terminal at neuromuscular junctions. {ECO:0000305, ECO:0000305|PubMed:17555535}

NCS-1 Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NCS-1 Blocking Peptide - Images