

NCS1 Antibody

Rabbit mAb Catalog # AP92684

Specification

NCS1 Antibody - Product Information

Application WB, IHC, FC
Primary Accession P62166
Reactivity Rat
Clonality Monoclonal

Other Names

FLUP; FREQ; Frequenin; Mfreq; ncs1;

Isotype Rabbit IgG
Host Rabbit
Calculated MW 21879 Da

NCS1 Antibody - Additional Information

Purification Affinity-chromatography

Immunogen A synthesized peptide derived from human

NCS1

Description 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).

Storage Condition and Buffer Rabbit IgG in phosphate buffered saline ,

pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid

freeze / thaw cycle.

NCS1 Antibody - 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





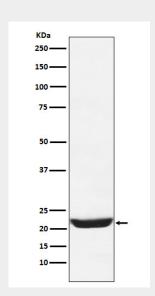
Golgi apparatus. Postsynaptic density. Cytoplasm, perinuclear region. Cytoplasm {ECO:0000250|UniProtKB:P62168}. Cell membrane; Peripheral membrane protein. Membrane {ECO:0000250|UniProtKB:P62168}; Lipid-anchor Note=Associated with Golgi stacks. Post-synaptic densities of dendrites, and in the pre-synaptic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

NCS1 Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NCS1 Antibody - Images



Western blot analysis of NCS1 expression in 293T cell lysate.