

KD-Validated Anti-Neuronal Calcium Sensor 1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1582

Product Information

Application	WB, FC, ICC
Primary Accession	P62166
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	24GB25
Calculated MW	21879
Gene Name	NCS1
Aliases	NCS1; Neuronal Calcium Sensor 1; NCS-1; FREQ; Frequenin-Like Ubiquitous Protein 1; Frequenin-Like Protein 1 ; Frequenin Homolog; FLUP; Frequenin (Drosophila) Homolog; Frequenin Homolog (Drosophila)
Immunogen	A synthesized peptide derived from human NCS1

Additional Information

Gene ID	23413
Other Names	Neuronal calcium sensor 1, NCS-1, Frequenin homolog, Frequenin-like protein, Frequenin-like ubiquitous protein, NCS1, FLUP, FREQ

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:1755535}

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