

Rabbit NCS1 / NCS-1 Polyclonal Antibody | anti-NCS1 antibody

Rabbit Polyclonal to Mouse NCS1 / NCS-1

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50809	Rabbit	Human, Mouse, Rat	ELISA, Western Blot, Immunofluorescence, Immunohistochemistry

PRODUCT SYNONYMS

NCS1 / NCS-1; Polyclonal Antibody; Rabbit Polyclonal to Mouse NCS1 / NCS-1; Anti-NCS1 / NCS-1 Antibody IHC-plus; NCS1; Frequenin (Drosophila) homolog; FREQ; FLUP; Frequenin homolog; Neuronal calcium sensor 1; Frequenin homolog (Drosophila); Frequenin-like protein; NCS-1; Mouse NCS1; anti-NCS1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	Frequenin (recombinant from Mouse with extensive post-translational modifications).
Purity/Purification	Immunoaffinity Purified
Form/Format	0.02 M potassium phosphate, 0.15 M sodium chloride, pH 7.2, 0.01% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	190
Applicable Applications for anti-NCS1 antibody	ELISA, WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry)
Target Species	Mouse
Immunogen Description	Recombinant mouse NCS1 / NCS-1.
Immunogen Type	Recombinant protein
Immunogen	NCS1 / NCS-1 antibody was raised against recombinant mouse NCS1 / NCS-1.
Preparation and Storage	Store vial at -20 degree C prior to opening. Dilute only prior to immediate use. For extended storage aliquot contents and freeze at -20 degree C or below. Avoid cycles of freezing and thawing.

IMAGES



IF (Immunofluorescence)

Anti-FREQUENIN Antibody - Immunofluorescence Microscopy. Hippocampal neurons were prepared from 17 d old NMRI mice and grown as described previously (G. Gross et al., (2000) J. Neurosci. 20:1869-1882). The figure shows the distribution of neuronal calcium sensor-1 (NCS-1) (red) and synaptobrevin (green) in hippocampal cell cultures after 19 d in vitro. Numerous synapses immunoreactive for synaptobrevin also show NCS-1 immunoreactivity. NCS-1 derived from invertebrate homologs has been referred to as frequenin.



IHC (Immunohistochemistry)

Anti-NCS-1 antibody IHC of human brain, cerebellum. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-NCS1 antibody	This gene is a member of the neuronal calcium sensor gene family, which encode calcium-binding proteins expressed predominantly in neurons. The protein encoded by this gene regulates G protein-coupled receptor phosphorylation in a calcium-dependent manner and can substitute for calmodulin. The protein is associated with secretory granules and modulates synaptic transmission and synaptic plasticity. Multiple transcript variants encoding different isoforms have been found for this gene.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	17738308
NCBI GeneID	23413
NCBI Accession #	NP_055101.2
NCBI GenBank Nucleotide #	NM_014286.3
UniProt Accession #	P62166; P36610; Q9UK26; E9PAY3
Molecular Weight	19,728 Da
NCBI Official Full Name	neuronal calcium sensor 1 isoform 1
NCBI Official Synonym Full Names	neuronal calcium sensor 1
NCBI Official Symbol	NCS1
NCBI Official Synonym Symbols	FLUP; FREQ
NCBI Protein Information	neuronal calcium sensor 1; frequenin homolog; frequenin-like protein; frequenin-like ubiquitous protein
UniProt Protein Name	Neuronal calcium sensor 1
UniProt Gene Name	NCS1
UniProt Synonym Gene Names	FLUP; FREQ; NCS-1
UniProt Entry Name	NCS1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.