

Anti-Frequenin Ncs1 Antibody

Catalog Number: A05330

About NCS1

Frequenin, or Neuronal calcium sensor, is a regulator of G protein-coupled receptor phosphorylation in a calcium dependent manner. It directly regulates GRK1 (RHOK), but not GRK2 to GRK5. It can substitute for calmodulin and it stimulates PI4KB kinase activity. It is involved in long-term synaptic plasticity through its interaction with PICK1. Ncs1 may also play a role in neuron differentiation through inhibition of the activity of N-type voltage-gated calcium channel.

Overview

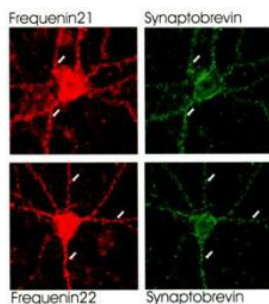
Product Name	Anti-Frequenin Ncs1 Antibody
Reactive Species	Mouse
Description	Boster Bio Anti-Frequenin Ncs1 Antibody (Catalog # A05330). Tested in IF applications. This antibody reacts with Mouse.
Application	IF
Clonality	Polyclonal
Formulation	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 0.01% (w/v) Sodium Azide
Storage Instructions	Store vial at -20°C prior to opening. Aliquot contents and freeze at -20°C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4°C as an undiluted liquid. Dilute only prior to immediate use. Expiration date is one (1) year from date of opening. (Ship on dry ice.)
Host	Rabbit
Uniprot ID	Q8BNY6

Technical Details

Immunogen	Frequenin (recombinant from Mouse with extensive post-translational modifications)
Predicted Reactive Species	Bovine, Chimpanzee
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG
Form	Liquid (sterile filtered)
Concentration	2.0 mg/mL by UV absorbance at 280 nm
Purification	This product was prepared from monospecific antiserum by immunoaffinity chromatography using

	Frequenin (recombinant) coupled to agarose beads. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>ELISA: 1:10,000 - 1:50,000</p> <p>IF Microscopy: 1:100-1:2500</p> <p>WB: 1:500- 1:2,000</p>

Anti-Frequenin Ncs1 Antibody (A05330) Images



Hippocampal neurons were prepared from 17 d old NMRI mice and grown as described previously (G. Grosse et al., (2000) J. Neurosci. 20: 1869-1882).

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