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Datasheet for ABIN7043367

anti-NCS1 antibody (Intracellular)

2 Images

Overview

Quantity:	25 µL
Target:	NCS1
Binding Specificity:	AA 40-53, Intracellular
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)SGQLDAAGFQKIYK, corresponding to amino acid residues 40-53 of rat NCS1
Isotype:	IgG
Characteristics:	Anti-NCS1 Antibody is directed against an epitope of the rat Neuronal calcium sensor 1. Anti-NCS1 Antibody (ABIN7043367, ABIN7044204 and ABIN7044205)) can be used in western blot analysis. It has been designed to recognize NCS1 from rat, mouse and human samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

Target:	NCS1
Alternative Name:	NCS1 (NCS1 Products)

Target Details

Background: Alternative names: NCS1, Neuronal calcium sensor 1, Frequenin homolog, Frequenin-like protein, FREQ, FLUP

Gene ID: 65153

NCBI Accession: [NM_014286](#)

UniProt: [P62168](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: 25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.

Concentration: 0.85 mg/mL

Buffer: Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.

Preservative: Sodium azide

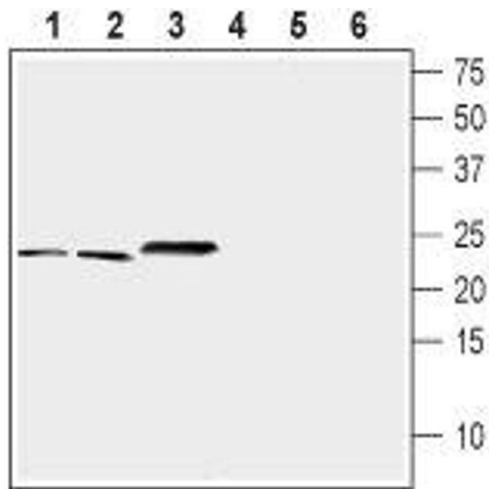
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: RT, 4 °C, -20 °C

Storage Comment: Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.

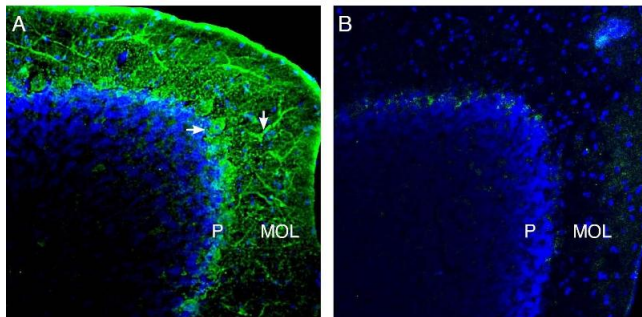
Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week.

For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).



Western Blotting

Image 1. Western blot analysis of mouse brain (lanes 1 and 4), rat brain (lanes 2 and 5) and rat eye (lanes 3 and 6) lysates (1:200-1:400): - 1-3. Anti-NCS1 Antibody (ABIN7043367, ABIN7044204 and ABIN7044205), (brain lysates 1:200, eye lysate 1:400).4-6. Anti-NCS1 Antibody, preincubated with NCS1 Blocking Peptide (#BLP-CS001).



Immunohistochemistry

Image 2. Expression of NCS1 in mouse cerebellum. - Immunohistochemical staining of perfusion-fixed frozen mouse brain sections with Anti-NCS1 Antibody (ABIN7043367, ABIN7044204 and ABIN7044205), (1:100), followed by goat anti-rabbit-Alexa-488. A. NCS1 immunoreactivity (green) appeared in the Purkinje layer (P, horizontal arrow) and in Purkinje dendrites (vertical arrow) in the molecular layer (MOL). B. Preincubation of the antibody with NCS1 Blocking Peptide (BLP-CS001), suppressed staining. Cell nuclei are stained with DAPI (blue).