

Datasheet for 600-401-J47**Neuronal Calcium Sensor 1 Antibody****Overview**

Description:	Anti-Neuronal Calcium Sensor 1 (RABBIT) Antibody - 600-401-J47
Item No.:	600-401-J47
Size:	100 µg
Applications:	IHC
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Neuronal Calcium Sensor 1 antibody recognizes members 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. This protein is thought to be associated with secretory granules and may be involved in the regulation of neurosecretion. Anti-Neuronal Calcium Sensor 1 antibody is ideal for researchers interested in Neuroscience research.
Synonyms:	rabbit anti-NCS1 antibody, anti-Frequenin antibody, Neuronal calcium sensor 1, NCS-1, NCS 1, Frequenin homolog, Frequenin-like ubiquitous protein, Frequenin-like protein, FLUP, FREQ
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	NCS1
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Neuronal Calcium Sensor 1 affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to the C-terminus of human Neuronal Calcium Sensor 1 .

Purity/Specificity: Anti-Neuronal Calcium Sensor 1 was affinity purified from monospecific antiserum by immunoaffinity chromatography. A BLAST analysis was used to suggest cross-reactivity with human, chicken, frog, and rat based on 100% sequence homology. Cross-reactivity with Neuronal Calcium Sensor 1 from other sources has not been determined.

Relevant Links:

- [UniProtKB - P62166](#)

Application Details

Tested Applications: IHC

Application Note: Anti-Neuronal Calcium Sensor 1 antibody is tested for ELISA and immunohistochemistry and useful for Western Blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~21kDa corresponding to the appropriate cell lysate or extract.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1: 10,000

IHC: 5 µg/mL

WB: 1ug/ml

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 0.42 mg/mL by UV absorbance at 280 nm

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Stabilizer: 50% (v/v) Glycerol

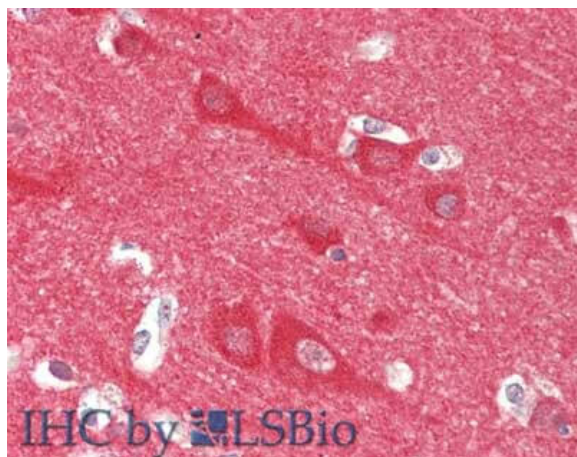
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: 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: Expiration date is one (1) year from date of receipt.

Images

**Immunohistochemistry**

Immunohistochemistry of Rabbit anti-NCS1 / NCS-1 antibody. Tissue: Brain, cortex. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: NCS1 / NCS-1 antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Staining: NCS1 / NCS-1 as precipitated red signal with hematoxylin purple nuclear counterstain.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.