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Datasheet for 600-401-CM0

LRFN1 Antibody

Overview

Description:	Anti-LRFN1 (RABBIT) Antibody - 600-401-CM0
Item No.:	600-401-CM0
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	LRFN1 is one of a family of five transmembrane glycoproteins that are highly expressed in neuronal tissues. LRFN proteins share leucine-rich repeat (LRR)-immunoglobulin-like (Ig)-fibronectin type III (Fn)-transmembrane domain structure with other members of the LRR-Ig-Fn protein superfamily such as the Slitrk family of proteins. Expression of LRFN1, -3, and -4 mRNA was detected in embryonic neuronal cells, while Lrfn2 and Lrfn5 expression was primarily restricted to more mature cells. LRFN1, -2, and -4 bound to PDZ domains of postsynaptic PSD95, re-distributing PSD95 to the cell periphery. It has been suggested that the Lrfn proteins play a role in the developing and/or mature vertebrate nervous system. At least two isoforms of LRFN1 are known to exist.
Synonyms:	LRFN1 Antibody, SALM2, KIAA1484, SALM2, Leucine-rich repeat and fibronectin type III domain-containing protein 1, Synaptic adhesion-like molecule 2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	LRFN1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-LRFN1 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid synthetic peptide near the C-terminus of human LRFN1.
Purity/Specificity:	Anti-LRFN1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. This antibody is predicted to not cross-react with other members of the LRFN family.
Relevant Links:	• UniProtKB - Q9P244 • GeneID - 57622 • NCBI - Q9P244

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-LRFN1 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 82 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
IF:	20 µg/mL
IHC:	2.5 µg/mL
WB:	1-2 µg/mL

Formulation

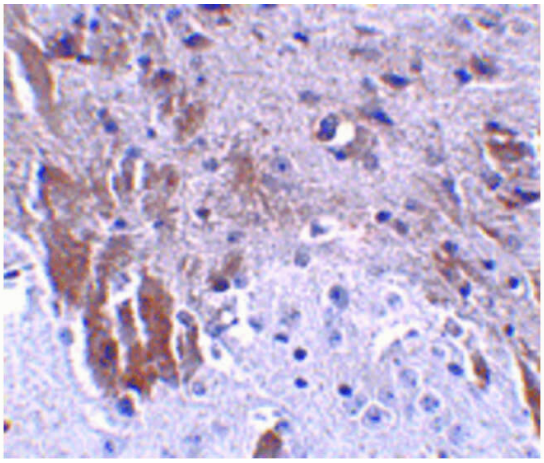
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

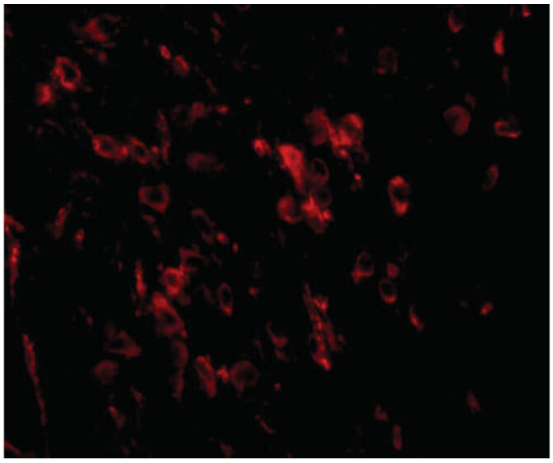
Shipping Condition:	Dry Ice

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.

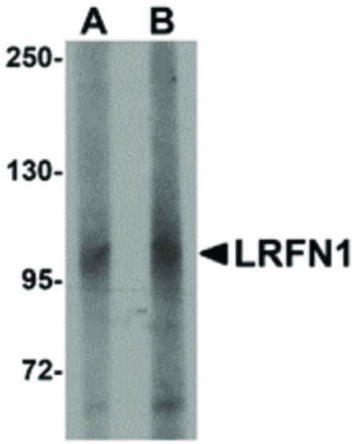
Images



Immunohistochemistry
Immunohistochemistry of LRFN1 antibody. Tissue: mouse brain tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: LRFN1 antibody at 2.5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: LRFN1 is membranal. Staining: LRFN1 as precipitated blue signal with brown counterstain.



Immunofluorescence Microscopy
DescriptionImmunofluorescence Microscopy of LRFN1 antibody. Tissue: Mouse brain tissue. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: LRFN1 antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: LRFN1 is membranal. Staining: LRFN1 as red fluorescent signal. Immunofluorescence Microscopy of LRFN1 antibody. Tissue: Mouse brain tissue. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: LRFN1 antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: LRFN1 is membranal. Staining: LRFN1 as red fluorescent signal.



Western Blot

Western Blot of LRFN1 antibody. Lane 1: human brain lysate with LRFN1 antibody at 1 µg/mL. Lane 2: human brain lysate with LRFN1 antibody at 2 µg/mL. Load: 35 µg per lane. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 82 kDa, 97 kDa for LRFN1. Other band(s):LRFN1 splice variants and isoforms.

Disclaimer

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