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www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for 600-401-CM9

LRRTM1 Antibody

Overview

Description:	Anti-LRRTM1 (RABBIT) Antibody - 600-401-CM9
Item No.:	600-401-CM9
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The Leucine-rich repeat transmembrane neuronal proteins (LRRTMs) are differentially expressed in the nervous system and were recently found to instruct presynaptic and mediate postsynaptic glutamatergic differentiation, with LRRTM1 and LRRTM2 most potent at inducing presynaptic differentiation. Each LRRTM protein is a type I transmembrane containing ten extracellular leucine-rich repeats and a short intracellular tail and has a developmentally regulated pattern distinct from all others. LRRTM1 is a maternally suppressed gene that is associated paternally with handedness and schizophrenia.
Synonyms:	LRRTM1 Antibody, Leucine-rich repeat transmembrane neuronal protein 1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	LRRTM1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-LRRTM1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid synthetic peptide near the C-terminus of human LRRTM1.

Purity/Specificity:	Anti-LRRTM1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. LRRTM1 antibody is predicted to not cross-react with other LRRTM family members.
Relevant Links:	• UniProtKB - Q86UE6 • GeneID - 347730 • NCBI - AAH45113

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-LRRTM1 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 59 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
IF:	20 µg/mL
IHC:	5 µg/mL
WB:	1 µg/mL

Formulation

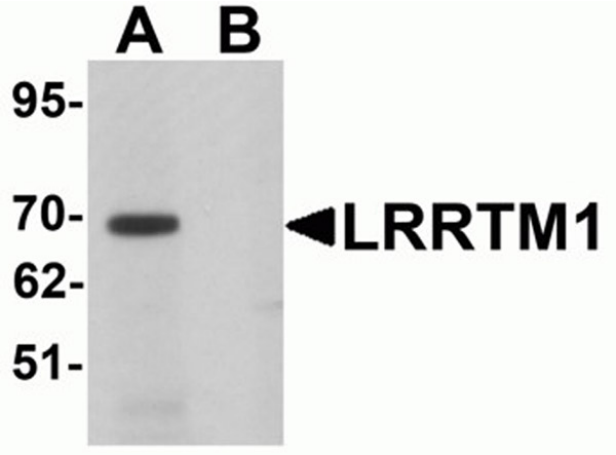
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

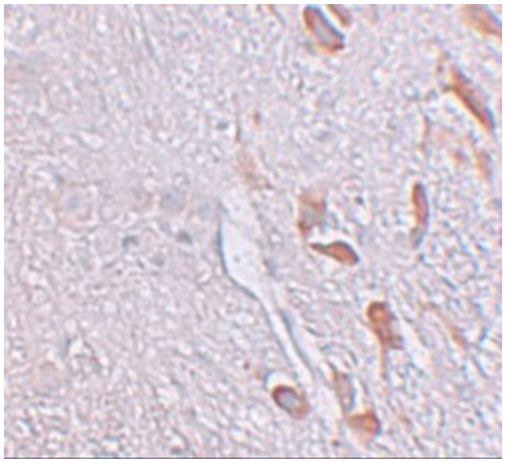
Shipping Condition:	Dry Ice

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.

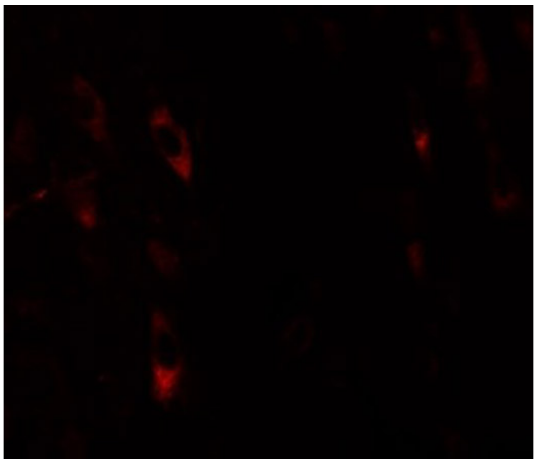
Images



Western Blot
Western blot analysis of LRRTM1.
Tissue: mouse brain tissue lysate.
Primary Antibody: LRRTM1 antibody at 1 µg/mL in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry
Immunohistochemistry of LRRTM1.
Tissue: human brain tissue.
Primary Antibody: LRRTM1 antibody at 5 µg/mL.



Immunofluorescence Microscopy
Immunofluorescence of LRRTM1.
Tissue: human brain tissue.
Primary Antibody: LRRTM1 antibody at 20 µg/mL.

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