

Datasheet for ABIN6991484
anti-LRRTM4 antibody (AA 350-400)



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Overview

Quantity:	0.1 mg
Target:	LRRTM4
Binding Specificity:	AA 350-400
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LRRTM4 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	LRRTM4 antibody was raised against a 16 amino acid synthetic peptide near the center of human LRRTM4. The immunogen is located within amino acids 350 - 400 of LRRTM4.
Isotype:	IgG
Specificity:	At least two isoforms of LRRTM4 are known to exist, this antibody will both isoforms. LRRTM4 antibody is predicted to not cross-react with other LRRTM family members.
Purification:	LRRTM4 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	LRRTM4
Alternative Name:	LRRTM4 (LRRTM4 Products)

Target Details

Background:	LRRTM4 Antibody: 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. Little is known about the function of LRRTM4, in mouse, it is expressed in the limb mesenchyme, neural tube, caudal mesoderm and in three distinct regions of the head. Later expression occurs in a subset of the developing sclerotome. Its similarity to other LRRTM family members suggests that LRRTM4 may also play a role in the development and maintenance of the vertebrate nervous system.
Gene ID:	80059
NCBI Accession:	NP_001128217
UniProt:	Q86VH4
Pathways:	Synaptic Membrane

Application Details

Application Notes:	LRRTM4 antibody can be used for detection of LRRTM4 by Western blot at 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL. For immunofluorescence start at 20 µg/mL. Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	LRRTM4 Antibody is supplied in PBS containing 0.02 % 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:	-20 °C, 4 °C
Storage Comment:	LRRTM4 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.

As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.