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Datasheet for ABIN1393861

anti-LRRTM4 antibody (AA 135-250) (Biotin)

Overview

Quantity:	100 µL
Target:	LRRTM4
Binding Specificity:	AA 135-250
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LRRTM4 antibody is conjugated to Biotin
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human LRRTM4
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow, Sheep, Pig, Horse, Chicken, Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	LRRTM4
Alternative Name:	LRRTM4 (LRRTM4 Products)
Background:	Synonyms: Leucine rich repeat transmembrane neuronal 4, Leucine rich repeat transmembrane

Target Details

neuronal 4 protein, Leucine rich repeat transmembrane neuronal protein 4, Leucine-rich repeat transmembrane neuronal 4 protein, Leucine-rich repeat transmembrane neuronal protein 4, LRRT4_HUMAN, Lrrtm4.

Background: The leucine-rich (LRR) repeat is a 20-30 amino acid motif that forms a hydrophobic / horseshoe fold, allowing it to accommodate several leucine residues within a tightly packed core. All LRR repeats contain a variable segment and a highly conserved segment, the latter of which accounts for 11 or 12 residues of the entire LRR motif. The LRRTM protein family plays a role in the regulation of various cellular events during nervous system development. Localizing predominantly to the nervous system, LRRTM family members are known to exhibit synaptogenic activity. LRRTM4 (leucine-rich repeat transmembrane neuronal protein 4) is a 590 amino acid member of the LRRTM protein family. Expressed in neuronal tissues, LRRTM4 may play a role in the development and maintenance of the vertebrate nervous system. A single-pass type I membrane protein, LRRTM4 contains 10 LRR repeats. LRRTM4 is expressed as two isoforms produced by alternative splicing.

Pathways: [Synaptic Membrane](#)

Application Details

Application Notes: IHC-P 1:200-400
IHC-F 1:100-500

Restrictions: For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months