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Datasheet for ABIN1389940

anti-LRRTM1 antibody (AA 151-250) (Alexa Fluor 488)

Overview

Quantity:	100 µL
Target:	LRRTM1
Binding Specificity:	AA 151-250
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LRRTM1 antibody is conjugated to Alexa Fluor 488
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human LRRTM1
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow, Pig, Chicken
Purification:	Purified by Protein A.

Target Details

Target:	LRRTM1
Alternative Name:	LRRTM1 (LRRTM1 Products)
Background:	Synonyms: Leucine rich repeat transmembrane neuronal 1, Leucine rich repeat transmembrane

Target Details

neuronal 1 protein, Leucine-rich repeat transmembrane neuronal protein 1, LRRT1_HUMAN, LRRTM1, Lrrtm1 leucine rich repeat transmembrane neuronal 1, OTTHUMP00000194829, 4632401D06Rik, AW125451, FLJ32082.

Background: The leucine-rich (LRR) repeat is a 20-30 amino acid motif that forms a hydrophobic Alpha/Beta 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. LRRTM1 (leucine rich repeat transmembrane neuronal 1) is a 522 amino acid single-pass type I membrane protein that localizes to the endoplasmic reticulum and contains ten LRR repeats. Expressed predominately in forebrain tissue, LRRTM1 is thought to be involved in the development of forebrain structures, specifically by influencing axon trafficking, as well as neuronal differentiation and connectivity. Human LRRTM1 shares 96 % amino acid identity with its mouse counterpart, suggesting a conserved role between species. Defects in the gene encoding LRRTM1 may be associated with the pathogenesis of several common neurodevelopmental disorders.

Pathways: [Synaptic Membrane](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

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

Handling

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months