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Datasheet for ABIN5006283

anti-LRFN1 antibody (AA 181-290) (Alexa Fluor 680)

Overview

Quantity:	100 µL
Target:	LRFN1
Binding Specificity:	AA 181-290
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LRFN1 antibody is conjugated to Alexa Fluor 680
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human LRFN1
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Cow,Sheep,Pig
Purification:	Purified by Protein A.

Target Details

Target:	LRFN1
Alternative Name:	LRFN1 (LRFN1 Products)
Background:	Synonyms: Leucine rich repeat and fibronectin type III domain containing 1, Leucine rich repeat

Target Details

and fibronectin type III domain containing protein 1, Leucine-rich repeat and fibronectin type III domain-containing protein 1, LRFN 1, Lrfn1, LRFN1_HUMAN, SALM 2, SALM2, Synaptic adhesion like molecule 2, Synaptic adhesion-like molecule 2.

Background: LRFN1 is a 771 amino acid single-pass type I membrane protein that belongs to the LRFN family. Containing a fibronectin type-III domain, an Ig-like (immunoglobulin-like) domain, a LRRCT domain, a LRRNT domain and seven LRR (leucine-rich) repeats, LRFN1 is thought to promote neurite outgrowth in hippocampal neurons and is involved in the regulation and maintenance of excitatory synapses. LRFN1 forms heteromeric complexes with LRFN2, LRFN3, LRFN4 and LRFN5, but does not have the ability to form homomeric complexes across cell junctions of adjacent cells like other LRFN family members. The PDZ-binding motif of LRFN1 is required for neurite outgrowth promotion and for SAP 97-, NE-dlg- and PSD-95-binding. LRFN1 is encoded by a gene located on human chromosome 19q13.2 and mouse chromosome 7 A3.

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

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

Expiry Date: 12 months