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LRFN3 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54366

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q9BTN0
Reactivity	Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	66260
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human LRFN3/SALM4
Epitope Specificity	61-150/628
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell membrane; Single-pass type I membrane protein (By similarity). Cell projection, axon (By similarity). Cell projection, dendrite (By similarity). Cell junction, synapse (By similarity). Cell junction, synapse, presynaptic cell membrane (By similarity). Cell junction, synapse, postsynaptic cell membrane (By similarity).
SIMILARITY	Belongs to the LRFN family. Contains 1 fibronectin type-III domain. Contains 1 Ig-like (immunoglobulin-like) domain. Contains 7 LRR (leucine-rich) repeats. Contains 1 LRRCT domain. Contains 1 LRRNT domain.
SUBUNIT	Can form heteromeric complexes with LRFN1, LRFN2, LRFN4 and LRFN5. Able to form homomeric complexes across cell junctions, between adjacent cells. Does not interact with DLG4 (By similarity).
Post-translational modifications	N-glycosylated.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	LRFN3 is a 628 amino acid single-pass type I membrane protein that belongs to the LRFN family. Containing seven LRR (leucine-rich) repeats, LRFN3 also contains one fibronectin type-III domain, one Ig-like (immunoglobulin-like) domain, one LRRCT domain and one LRRNT domain. As a cell adhesion molecule that mediates homophilic cell-cell adhesion in a Ca2+-independent manner, LRFN3 promotes neurite outgrowth in hippocampal neurons. LRFN3 forms homomeric complexes across cell junctions (between adjacent cells), and can form heteromeric complexes with LRFN1, LRFN2, LRFN4 and LRFN5. The gene that encodes LRFN3 consists of more than 8,000 bases and maps to human chromosome 19q13.12.

Additional Information

Gene ID	79414

Other Names	Leucine-rich repeat and fibronectin type-III domain-containing protein 3, Synaptic adhesion-like molecule 4, LRFN3, SALM4
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	LRFN3
Synonyms	SALM4
Function	Cell adhesion molecule that mediates homophilic cell-cell adhesion in a Ca(2+)-independent manner. Promotes neurite outgrowth in hippocampal neurons (By similarity).
Cellular Location	Cell membrane; Single-pass type I membrane protein. Cell projection, axon Cell projection, dendrite. Synapse Presynaptic cell membrane. Postsynaptic cell membrane