



Rabbit Anti-LRFN3 antibody

SL11088R

Product Name:	LRFN3
Chinese Name:	神经突触粘附样分子4抗体
Alias:	SALM4; Fibronectin type II immunoglobulin and leucine rich repeat domains 1; Fibronectin type II, immunoglobulin and leucine rich repeat domains 1; FIGLER1; Leucine rich repeat and fibronectin type III domain containing 3; Leucine-rich repeat and fibronectin type-III domain-containing protein 3; Lrfn3; LRFN3_HUMAN; Synaptic adhesion-like molecule 4.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Horse,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	65kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human LRFN3/SALM4:61-150/628<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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.

Function:

Cell adhesion molecule that mediates homophilic cell-cell adhesion in a Ca(2+)-independent manner. Promotes neurite outgrowth in hippocampal neurons.

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).

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).

Post-translational modifications:

N-glycosylated.

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.

SWISS:

Q9BTN0

Gene ID:

79414

Database links:

[Entrez Gene: 79414](#) Human

[Entrez Gene: 233067](#) Mouse

[Entrez Gene: 308495](#) Rat

[Omim: 612809](#) Human

[SwissProt: Q9BTN0](#) Human

[SwissProt: Q8BLY3](#) Mouse

[SwissProt: B0BNK7](#) Rat

[Unigene: 143792](#) Human

[Unigene: 23157](#) Mouse

[Unigene: 50030](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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