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Rabbit Anti-LRFN2 antibody

SL11087R

Product Name:	LRFN2
Chinese Name:	神经突触粘附样分子1抗体
Alias:	leucine rich repeat and fibronectin type III domain containing 2; RP11-535K1.2; fibronectin type III, immunoglobulin and leucine rich repeat domains 2 antibody FIGLER2; Leucine-rich repeat and fibronectin type-III domain-containing protein 2; LRFN2; LRFN2_HUMAN; SALM1; Synaptic adhesion-like molecule 1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,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:	83kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human LRFN2/SALM1:401-500/789<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:	LRFN2 is a 789 amino acid single-pass type I membrane protein belonging to the LRFN family. Encoded by a gene that maps to human chromosome 6p21.2, LRFN2 is moderately expressed in brain, spleen and testis. LRFN2 contains one fibronectin type-

III domain, one Ig-like (immunoglobulin-like) domain and six LRR (leucine-rich) repeats. LRFN2 promotes neurite outgrowth in hippocampal neurons, enhances cell surface expression of two NMDA receptor subunits, NMDAΩ1 and NMDAé1, and may play a role in redistributing PSD-95 to cell periphery. LRFN2 forms heteromeric complexes with LRFN1, LRFN3, LRFN4 and LRFN5, and is capable of forming homomeric complexes, but not across cell junctions.

Function:
Promotes neurite outgrowth in hippocampal neurons. Enhances the cell surface expression of 2 NMDA receptor subunits GRIN1 and GRIN2A. May play a role in redistributing DLG4 to the cell periphery.

Subunit:
Forms heteromeric complexes with LRFN1, LRFN3, LRFN4 and LRFN5. Can form homomeric complexes, but not across cell junctions. Directly interacts with 2 NMDA receptor subunits GRIN1 and GRIN2A (By similarity). Interacts with DLG1, DLG2, DLG3 and DLG4.

Subcellular Location:
Membrane. Cell junction; synapse. Cell junction; synapse; postsynaptic cell membrane.

Post-translational modifications:
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:
Q9ULH4

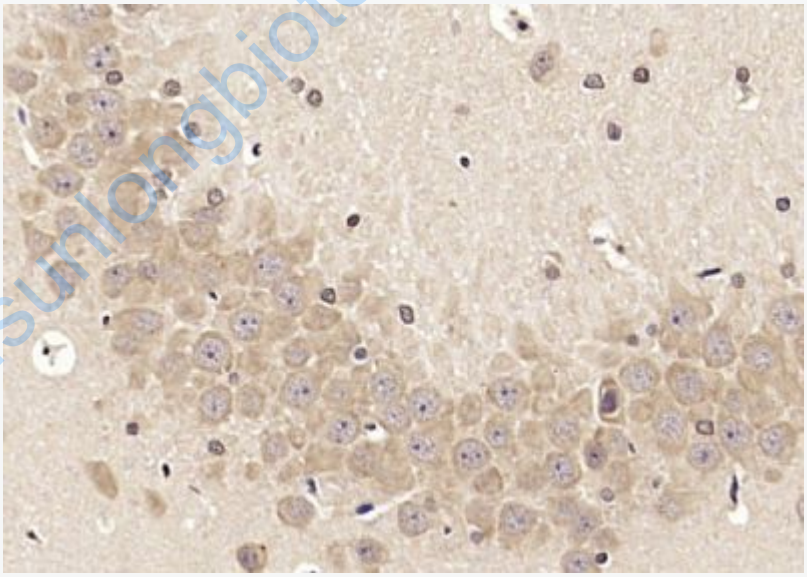
Gene ID:
57497

Database links:

Entrez Gene: 57497 Human

Entrez Gene: 70530 Mouse

Entrez Gene: 316205 Rat

	Omim: 612808 Human SwissProt: Q9ULH4 Human SwissProt: Q80TG9 Mouse SwissProt: Q460M5 Rat Unigene: 250015 Human Unigene: 133607 Mouse Unigene: 47365 Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (LRFN2) Polyclonal Antibody, Unconjugated (SL11087R) at 1:400 overnight at 4℃, followed by conjugation to the secondary

	antibody (labeled with HRP)and DAB staining.