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Rabbit Anti-LRFN4 antibody

SL11089R

Product Name:	LRFN4
Chinese Name:	富含亮氨酸重复序列/Ⅲ型纤维连接蛋白4抗体
Alias:	Alternative namesFIGLER6; leucine rich repeat and fibronectin type III domain containing 4; fibronectin type III, immunoglobulin and leucine rich repeat domains 6; Leucine-rich repeat and fibronectin type-III domain-containing protein 4; Lrfn4; LRFN4_HUMAN; MGC3103; SALM3.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=0.2ug/testICC=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 LRFN4:21-120/635<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:	LRFN4 is a 635 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, LRFN4 is thought to promote neurite outgrowth in hippocampal neurons and may play a role in redistributing PSD-95 to the cell periphery. LRFN4 forms heteromeric complexes with LRFN1, LRFN2, LFRN3 and LFRN5, but does not have the ability to form homomeric complexes across cell junctions of adjacent cells like some other LRFN family members. The PDZ-binding motif of LRFN4 is required for neurite outgrowth promotion and for SAP 97-, NE-dlg- and PSD-95-binding. LRFN4 is encoded by a gene located on human chromosome 11q13.1 and mouse chromosome 19 A.

Function:
Promotes neurite outgrowth in hippocampal neurons. May play a role in redistributing DLG4 to the cell periphery.

Subunit:
Can form heteromeric complexes with LRFN1, LRFN2, LRFN3 and LRFN5. Unable to form homophilic interactions across cell junctions (By similarity). Interacts with DLG1, DLG2, DLG3 and DLG4.

Subcellular Location:
Membrane; Single-pass type I membrane protein (By similarity).

Post-translational modifications:
Glycosylated (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.

SWISS:
Q6PJG9

Gene ID:
78999

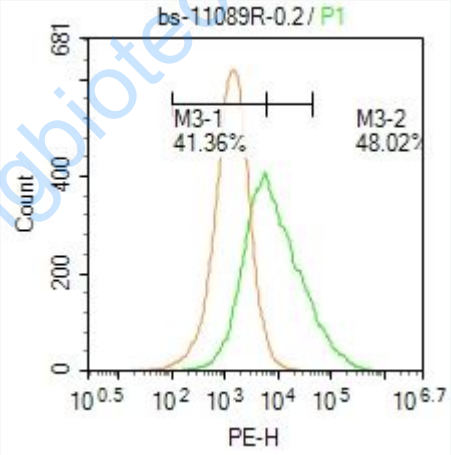
Database links:

Entrez Gene: 78999Human

Entrez Gene: 225875Mouse

Entrez Gene: 688721Rat

Omim: 612810Human

	SwissProt: Q6PJG9Human SwissProt: Q80XU8Mouse SwissProt: D4ABX8Rat Unigene: 209979Human Unigene: 714189Human Unigene: 329675Mouse Unigene: 198548Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 Blank control: Hela. Primary Antibody (green line): Rabbit Anti-LRFN4 antibody (SL11089R) Dilution: 1μg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-PE Dilution: 0.2μg /test. Protocol

	The cells were incubated in 5 %BSA to block non-specific protein-protein interactions for 30 min at at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.