



Rabbit Anti-LRRTM4 antibody

SL11878R

Product Name:	LRRTM4
Chinese Name:	富含亮氨酸重复跨膜神经元蛋白4抗体
Alias:	Leucine rich repeat transmembrane neuronal 4; Leucine rich repeat transmembrane neuronal 4 protein; Leucine rich repeat transmembrane neuronal protein 4; Leucine-rich repeat transmembrane neuronal 4 protein; Leucine-rich repeat transmembrane neuronal protein 4; LRRT4_HUMAN; Lrrtm4.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	ELISA=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:	64kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human LRRTM4:135-250/590<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:	The leucine-rich (LRR) repeat is a 20-30 amino acid motif that forms a hydrophobic ?/] horseshoe fold, allowing it to accommodate several leucine residues within a tightly packed core. All LRR repeats contain a variable segment and a highly conserved

segment, the latter of which accounts for 11 or 12 residues of the entire LRR motif. The LRRTM protein family plays a role in the regulation of various cellular events during nervous system development. Localizing predominantly to the nervous system, LRRTM family members are known to exhibit synaptogenic activity. LRRTM4 (leucine-rich repeat transmembrane neuronal protein 4) is a 590 amino acid member of the LRRTM protein family. Expressed in neuronal tissues, LRRTM4 may play a role in the development and maintenance of the vertebrate nervous system. A single-pass type I membrane protein, LRRTM4 contains 10 LRR repeats. LRRTM4 is expressed as two isoforms produced by alternative splicing.

Function:

May play a role in the development and maintenance of the vertebrate nervous system.

Subcellular Location:

Cell membrane; Single-pass type I membrane protein (By similarity). Cell junction, synapse, postsynaptic cell membrane; Single-pass type I membrane protein

Tissue Specificity:

Expressed in neuronal tissues.

Similarity:

Belongs to the LRRTM family.
Contains 10 LRR (leucine-rich) repeats.
Contains 1 LRRCT domain.
Contains 1 LRRNT domain.

SWISS:

Q86VH4

Gene ID:

80059

Database links:

[Entrez Gene: 80059](#)Human

[Entrez Gene: 243499](#)Mouse

[Entrez Gene: 500219](#)Rat

[Omim: 610870](#)Human

[SwissProt: Q86VH4](#)Human

[SwissProt: Q80XG9](#)Mouse

[Unigene: 285782](#)Human

[Unigene: 473274](#)Mouse

[Unigene: 483425](#)Mouse

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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