



Rabbit Anti-LRRTM3 antibody

SL11571R

Product Name:	LRRTM3
Chinese Name:	富含亮氨酸重复跨膜神经元蛋白3抗体
Alias:	Leucine rich repeat transmembrane neuronal protein 3; Leucine-rich repeat transmembrane neuronal protein 3; LRRT3_HUMAN; Lrrtm3; MGC131810; PRO1693; UNQ803.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Pig,Cow,Rabbit,Sheep,Monkey,
Applications:	WB=1:500-2000ELISA=1:500-1000Flow-Cyt=1µg/Test not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	63kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human LRRTM3:31-120/581<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 Alpha/Beta 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. LRRTM3 (leucine rich repeat transmembrane neuronal 3) is a 581 amino acid single-pass type I membrane protein belonging to the LRRTM family. LRRTM3 is involved in the development and maintenance of the vertebrate nervous system, and contains ten LRR repeats. Expressed in neuronal tissues, LRRTM3 is encoded by a gene that maps to a region of chromosome 10 that has been linked to late-onset Alzheimer disease and elevated plasma Beta-Amyloid. As a result of alternative splicing events, two LRRTM3 isoforms exist.

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:

Q86VH5

Gene ID:

347731

Database links:

[Entrez Gene: 347731](#)Human

[Entrez Gene: 216028](#)Mouse

[Entrez Gene: 294380](#)Rat

[Omim: 610869](#)Human

[SwissProt: Q86VH5](#)Human

[SwissProt: Q8BZ81](#)Mouse

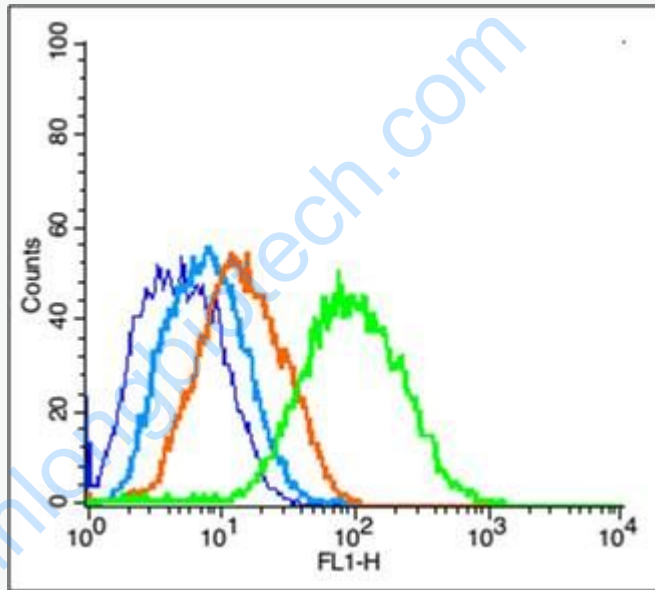
[Unigene: 652155](#)Human

[Unigene: 431318](#)Mouse

[Unigene: 214114](#)Rat

Important Note:

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



Picture:

Blank control (blue line): Mouse brain (fixed with 2% paraformaldehyde for 10 min at room temperature, and then stained with Primary Antibody for 30 min at room temperature).

Primary Antibody (green line): Rabbit Anti-LRRTM3 antibody (SL11571R), Dilution: 1 μ g /10⁶ cells;

Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody (white blue line): Goat anti-rabbit IgG-FITC, Dilution: 1 μ g /test.

