SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Primary Antibody]

Rabbit Anti-LRRTM3 antibody

Catalog Number: SL11571R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	LRRTM3
Immunogen:	KLH conjugated synthetic peptide derived from human LRRTM3: 31-120/581 <Extracellular>
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	Flow-Cyt=1μg/Test not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse (predicted:Human,Rat,Chicken,Pig,Cow,Rabbit,Sheep,Monkey)
Predicted MW.:	63kDa
Subcellular Location:	The cell membrane
Background:	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.

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

SUNLONG

SunLong Biotech Co.,LTD

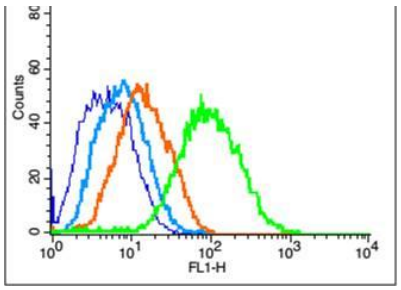
Tel: 0086-571-56623320 Fax:0086-571-56623318

E-mail:sales@sunlongbiotech.com

www.sunlongbiotech.com

	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. **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

[VALIDATION IMAGES]



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: 1µg /10^6 cells;
Isotype Control Antibody (orange line): Rabbit IgG .
Secondary Antibody (white blue line): Goat anti-rabbit IgG-FITC,Dilution: 1µg /test.

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