

## Product datasheet for **TA320177**

### LRRTM3 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 0.5 ug/mL, ICC: 2.5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	LRRTM3 antibody was raised against a 18 amino acid synthetic peptide near the carboxy terminus of human LRRTM3.
Formulation:	LRRTM3 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	LRRTM3 Antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	leucine rich repeat transmembrane neuronal 3
Database Link:	<a href="#">NP_821079</a> <a href="#">Entrez Gene 216028 Mouse</a> <a href="#">Entrez Gene 294380 Rat</a> <a href="#">Entrez Gene 347731 Human</a> <a href="#">Q86VH5</a>
Background:	LRRTM3 Antibody: The Leucine-rich repeat transmembrane neuronal proteins (LRRTMs) are differentially expressed in the nervous system and were recently found to instruct presynaptic and mediate postsynaptic glutamatergic differentiation, with LRRTM1 and LRRTM2 most potent at inducing presynaptic differentiation. Recent evidence suggests that LRRTM3 promotes the processing of amyloid-precursor protein (APP) by the beta-secretase BACE, leading to the proteolytic production of the Abeta42 peptide that is the main component of amyloid plaques. Furthermore, LRRTM3 maps to a region of chromosome 10 linked to both late-onset Alzheimer's disease (AD) and elevated plasma Abeta42 levels, suggesting that LRRTM3 is a functional and positional candidate gene for AD.



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Synonyms: MGC131810

Protein Families: Transmembrane

### Product images:

