

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: NP 821079

Entrez Gene 216028 MouseEntrez Gene 294380 RatEntrez Gene 347731 Human

Q86VH5

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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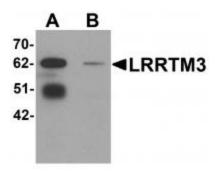
Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



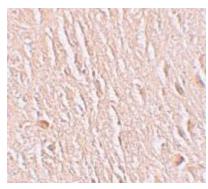
Synonyms: MGC131810

Protein Families: Transmembrane

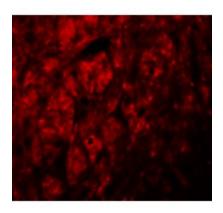
Product images:



Western blot analysis of LRRTM3 in mouse brain tissue lysate with LRRTM3 antibody at 0.5 ug/mL in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of LRRTM3 in human brain tissue with LRRTM3 antibody at 2.5 ug/mL



Immunofluorescence of LRRTM3 in human brain tissue with LRRTM3 antibody at 20 ug/mL.