

LRRTM3 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 254421

Unit: 0.1 mg

Description:

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.

Isotype: Rabbit Ig

Applications: E, IF, IHC, WB

Species Reactivity: H, M, R

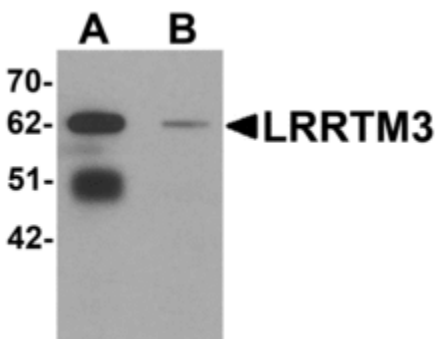
Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: Leucine-rich repeat transmembrane neuronal protein 3; LRRTM3

Accession No.: NP_821079

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human LRRTM3.

Application Notes: Cat. No. 254421 only detects the larger LRRTM3 isoform (581 aa). E: 1:1,000-1:5,000; WB: 1:1,000-1:2,000; IHC: 1:100-1:500; IF: 1:20-1:50



Western blot analysis of LRRTM3 in mouse brain tissue lysate with LRRTM3 Antibody (Cat. No. 254421) at 0.5 ug/mL in (A) the absence and (B) the presence of blocking peptide.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.