
LRRTM2 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 254420

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. Each LRRTM protein is a type I transmembrane containing ten extracellular leucine-rich repeats and a short intracellular tail and has a developmentally regulated pattern distinct from all others. LRRTM2 interacts with PSD-95 and regulates the surface expression of AMPA receptors. LRRTM2 also functions as a neurexin ligand, binding both Neurexin 1- α and - β , suggesting that LRRTM2-Neurexin1 interaction plays a critical role in regulatory excitatory synapse development.

Isotype: Rabbit Ig

Applications: E, 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 2

Accession No.: EAW62125

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within human LRRTM2.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500

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.