

LRRTM2 Antibody

Catalog No: #25256

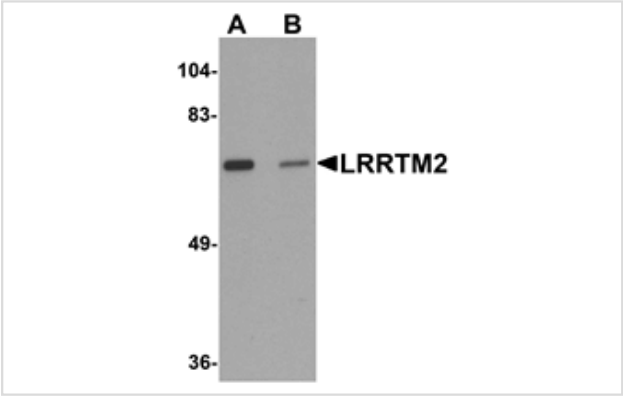


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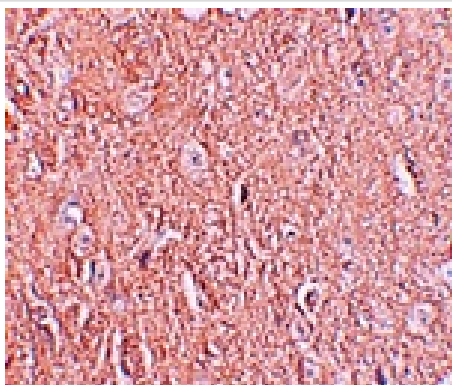
Description

Product Name	LRRTM2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms Rt
Specificity	LRRTM2 antibody is predicted to not cross-react with other LRRTM family members.
Immunogen Type	Peptide
Immunogen Description	Raised against a 17 amino acid peptide near the carboxy terminus of human LRRTM2.
Target Name	LRRTM2
Other Names	Leucine-rich repeat transmembrane neuronal protein 2
Accession No.	Swiss-Prot:O43300Gene ID:26045
Uniprot	O43300
GeneID	26045;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of LRRTM2 in SK-N-SH cell lysate with LRRTM2 antibody at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of LRRTM2 in human brain tissue with LRRTM2 antibody at 2.5 ug/mL.

Background

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.

Note: This product is for in vitro research use only