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LRRTM1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9720c

Product Information

Application	WB, IHC-P, E
Primary Accession	Q86UE6
Other Accession	D4A6D8, Q8K377, A1A4H9
Reactivity	Human, Mouse
Predicted	Bovine, Rat, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB24182
Calculated MW	58641
Antigen Region	88-117

Additional Information

Gene ID	347730
Other Names	Leucine-rich repeat transmembrane neuronal protein 1, LRRTM1
Target/Specificity	This LRRTM1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 88-117 amino acids from the Central region of human LRRTM1.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	LRRTM1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	LRRTM1
Function	Exhibits strong synaptogenic activity, restricted to excitatory presynaptic differentiation, acting at both pre- and postsynaptic level.

Cellular Location	Cell membrane; Single-pass type I membrane protein. Postsynaptic cell membrane; Single-pass type I membrane protein
Tissue Location	Predominantly expressed in forebrain regions including thalamus and cerebral cortex.

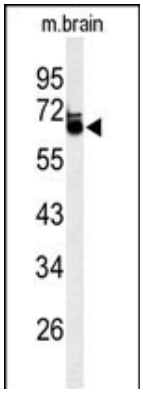
Background

LRRTM1 may play a role during the development of specific forebrain structures by influencing neuronal differentiation and connectivity, with a possible role in intracellular trafficking within axons.

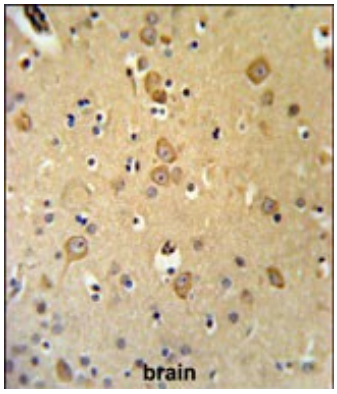
References

Francks, C. Laterality 14(1):11-16(2009)
Crow, T.J., et al. Laterality 14(1):3-10(2009)
McManus, C., et al. Laterality 14(1):1-2(2009)

Images



Western blot analysis of LRRTM1 Antibody (Center) (Cat. #AP9720c) in mouse brain tissue lysates (35ug/lane). LRRTM1 (arrow) was detected using the purified Pab.



LRRTM1 Antibody (Center) (Cat. #AP9720c) IHC analysis in formalin fixed and paraffin embedded brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the LRRTM1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.