

Datasheet for ABIN783389
anti-LRRTM4 antibody (Center)



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1 Image

Overview

Quantity:	0.1 mg
Target:	LRRTM4
Binding Specificity:	Center
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LRRTM4 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	16 amino acid peptide near the center of human LRRTM4
Specificity:	This antibody detects LRRTM4 at Center. At least two isoforms of LRRTM4 are known to exist, this antibody will both isoforms. LRRTM4 antibody is predicted to not cross-react with other LRRTM family members.
Cross-Reactivity (Details):	Species reactivity (tested):Human
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	LRRTM4
Alternative Name:	LRRTM4 (LRRTM4 Products)

Target Details

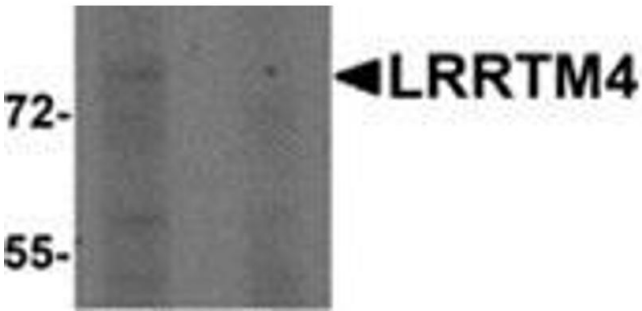
Background:	The Leucine-rich repeat transmembrane neuronal proteins (LRRTMs) are differentially expressed in the nervous system and were recently found to instruct presynaptic and mediate postsynaptic glutamatergic differentiation, with LRRTM1 and LRRTM2 most potent at inducing presynaptic differentiation. Little is known about the function of LRRTM4, in mouse, it is expressed in the limb mesenchyme, neural tube, caudal mesoderm and in three distinct regions of the head. Later expression occurs in a subset of the developing sclerotome. Its similarity to other LRRTM family members suggests that LRRTM4 may also play a role in the development and maintenance of the vertebrate nervous system.Synonyms: Leucine-rich repeat transmembrane neuronal protein 4
Gene ID:	80059
NCBI Accession:	NP_001128217
UniProt:	Q86VH4
Pathways:	Synaptic Membrane

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Buffer:	Antibody is supplied in PBS containing 0.02 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to three months or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis of LRRTM4 in HeLa cell lysate with LRRTM4 antibody at 1 µg/ml in (left) the absence and (right) the presence of blocking peptide.