

LRRC39 Rabbit pAb

Catalog # AP96789

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q96DD0
Other Accession	Q96DD0
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38793
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human LRRC39
Epitope Specificity	101-200/335
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 9 LRR (leucine-rich) repeats.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The leucine-rich (LRR) repeat is a 20-30 amino acid motif that forms a hydrophobic β horseshoe fold, allowing it to accommodate several leucine residues within a tightly packed core. All LRR repeats contain a variable segment and a highly conserved segment, the latter of which accounts for 11 or 12 residues of the entire LRR motif. The primary function of these motifs is to provide a versatile structural framework to mediate the formation of protein-protein interactions. LRRs are present in a variety of proteins with diverse structure and function, including innate immunity and nervous system development. Several human diseases are associated with mutations in genes encoding LRR-containing proteins. The leucine-rich repeat-containing protein 39 (LRRC39) is a 335 amino acid protein that contains nine LRR repeats and exists as two alternatively spliced isoforms.

Additional Information

Gene ID	127495
Other Names	LRC39_HUMAN; LRRC39; Myosin-interacting M-band-associated stress-responsive protein (Myomasp); leucine rich repeat containing 39; Myosin-interacting, M-band-associated stress-responsive protein
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	LRRC39
Function	Component of the sarcomeric M-band which plays a role in myocyte response to biomechanical stress. May regulate expression of other M-band proteins via an SRF-dependent pathway. Important for normal contractile function in heart.
Cellular Location	Cytoplasm, myofibril, sarcomere, M line {ECO:0000250 UniProtKB:D3ZXS4}
Tissue Location	Highly expressed in skeletal muscle and heart. Not detected in other tissues tested.

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