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LRRC39 Rabbit pAb

Catalog # AP96789

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q96DD0
Other Accession	Q96DD0
Reactivity	Rat, Mouse
Predicted	Human, Rabbit, Horse
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 □/∫ 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'.