10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

LRRC23 Rabbit pAb

LRRC23 Rabbit pAb
Catalog # AP54818

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q53EV4
Predicted	Rat, Dog, Human, Mouse, Rabbit, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39761
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human LRRC23
Epitope Specificity	251-343/343
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
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. LRRC23 (leucine-rich repeat-containing protein 23), also known as leucine-rich protein B7, is a 343 amino acid protein that contains eight LRR (leucine-rich) repeasts and one LRRCT domain. LRRC23 exists as two alternatively spliced isoforms and is encoded by a gene mapping to chromosome 12.

Additional Information

Gene ID	10233
Other Names	Leucine-rich repeat-containing protein 23, Leucine-rich protein B7, LRRC23, LRPB7
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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	LRRC23
Synonyms	LRPB7
Function	Essential for sperm motility and male fertility. Plays an important role in the proper assembly of the third radial spoke (RS3) head and the bridge structure between RS2 and RS3 in the sperm flagella.
Cellular Location	Cell projection, cilium, flagellum. Cytoplasm, cytoskeleton, flagellum axoneme {ECO:0000250|UniProtKB:O35125}. Cytoplasm. Note=Within the sperm flagellum, may be associated with the head of radial spoke 3
Tissue Location	Expressed in spermatozoa.

Background

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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