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LRRC23 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54818

Specification

LRRC23 Polyclonal Antibody - Product Information

Application	**WB, IHC-P, IHC-F, IF, ICC, E**
Primary Accession	Q53EV4
Reactivity	**Rat, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**40 KDa**
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.**
SIMILARITY	**Contains 8 LRR (leucine-rich) repeats.Contains 1 LRRCT domain.**
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 å/∫ 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.

LRRC23 Polyclonal Antibody - Additional Information

Gene ID 10233

Other Names
Leucine-rich repeat-containing protein 23, Leucine-rich protein B7, LRRC23, LRPB7

Dilution
WB~~1:1000<br \><span class

="dilution_IHC-P">IHC-P~~N/A<br \><span class
="dilution_IHC-F">IHC-F~~N/A<br \><span class
="dilution_IF">IF~~1:50~200<br \>ICC~~N/A<br
\>E~~N/A

Format
0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage
Store at -20 ℃ 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 ℃.

LRRC23 Polyclonal Antibody - 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.

LRRC23 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

LRRC23 Polyclonal Antibody - Images