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

LRRC67 Rabbit pAb

Catalog # AP97782

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q7Z4L9
Other Accession	Q7Z4L9
Reactivity	Mouse
Predicted	Rat, Pig, Human, Rabbit, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35480
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human LRRC67
Epitope Specificity	201-300/355
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 7 LRR (leucine-rich) repeats. Contains 1 LRRCT domain.
SUBUNIT	Interacts with PPP1CC isoform gamma-2;the interaction is direct. Interacts with actin, dynein, KIF5B, KIFC1 and tubulin. Associates with microtubules.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Additional Information

Gene ID	286187
Other Names	LRRC67; TLLR; TLRR; dtr; PPR42_HUMAN; PPP1R42; Leucine-rich repeat-containing protein 67; protein phosphatase 1 regulatory subunit 42; leucine rich repeat containing 67; protein phosphatase 1, regulatory subunit 42; testis leucine-rich repeat
Dilution	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	PPP1R42 (HGNC:33732)
Synonyms	LRRC67
Function	Regulates phosphatase activity of protein phosphatase 1 (PP1) complexes in

	the testis.
Cellular Location	Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:Q8R1Z4}. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome {ECO:0000250|UniProtKB:Q8R1Z4} Note=Colocalizes with alpha tubulin to the manchette of developing spermatids. Detected to nuclear rim in pachytene spermatocytes Detected at nuclear surface, opposite the acrosome in elongating spermatids. Detected at the microtubule-organizing center (MTOC) Localized to the centrosomal region of late-stage spermatids (By similarity). {ECO:0000250|UniProtKB:Q8R1Z4}

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