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

MOV10L1 Rabbit pAb

Catalog # AP99941

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9BXT6
Other Accession	Q9BXT6
Predicted	Rat, Pig, Cat, Human, Mouse, Rabbit, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	135293
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human MOV10L1
Epitope Specificity	431-530/1211
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the DNA2/NAM7 helicase family. SDE3 subfamily.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene is similar to a mouse gene that encodes a putative RNA helicase and shows testis-specific expression. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2009]

Additional Information

Gene ID	54456
Other Names	CHAMP; DJ402G11.8; SPGF73; Csm; M10L1_HUMAN; MOV10L1; Moloney leukemia virus 10-like protein 1 (MOV10-like protein 1); 3.6.4.13; M10L1_MOUSE; Cardiac helicase activated by MEF2 protein; Cardiac-specific RNA helicase; Moloney leukemia virus 10-like protein 1 homolog (MOV10-like protein 1 homolog); Mov10 like RNA helicase 1; Mov10 (mouse)-like 1; Mov10l1, Moloney leukemia virus 10-like 1, homolog (mouse); Mov10 RISC complex RNA helicase like 1; Mov10 like RISC complex RNA helicase 1; cardiac helicase activated by MEF2C protein
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=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	MOV10L1 (HGNC:7201)
Function	ATP-dependent 5'-3' RNA helicase required during spermatogenesis to repress transposable elements and prevent their mobilization, which is essential for germline integrity. Acts via the piRNA metabolic process, which mediates the repression of transposable elements during meiosis by forming complexes composed of piRNAs and Piwi proteins and governs the methylation and subsequent repression of transposons. Involved in the primary piRNA metabolic process. Specifically binds to piRNA precursors and promotes the generation of intermediate piRNA processing fragments that are subsequently loaded to Piwi proteins. Acts via its ATP-dependent RNA helicase activity: displays 5'-3' RNA unwinding activity and probably mediates unwinding and funneling of single-stranded piRNA precursor transcripts to the endonuclease that catalyzes the first cleavage step of piRNA processing to generate piRNA intermediate fragments that are subsequently loaded to Piwi proteins.
Cellular Location	Cytoplasm {ECO:0000250|UniProtKB:Q99MV5}. Note=Component of the meiotic nuage, also named P granule, a germ-cell- specific organelle required to repress transposon activity during meiosis. {ECO:0000250|UniProtKB:Q99MV5}
Tissue Location	[Isoform 1]: Specifically expressed in testis.

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