MOV10L1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MOV10L1, Polyclonal Antibody
Full Product Name	MOV10L1 Antibody, HRP conjugated
Product Gene Name	anti-MOV10L1 antibody
Product Synonym Names	RNA helicase Mov10l1; Moloney leukemia virus 10-like protein 1; MOV10L1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: MOV10L1 (MBS7109512) HRP Conjugated Antibody: MOV10L1 (MBS7109513)
Molecular Weight	130,229 Da
OMIM	AF285604 mRNA
3D Structure	ModBase 3D Structure for Q9BXT6
Immunogen	Recombinant Human RNA helicase Mov10l1 protein (336-425AA)
Conjugation	HRP
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MOV10L1 antibody	ELISA (EIA)
Related Product Information for anti-MOV10L1 antibody	ATP-dependent 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.
Other Notes	Small volumes of anti-MOV10L1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for MOV10L1 purchase	MBS7109513 is an antibody targeting MOV10L1. Also known as MOV10L1 Antibody, HRP conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MOV10L1. It may not necessarily be applicable to this product.

NCBI GI #	255759906
NCBI GeneID	54456
NCBI Accession #	NP_001157576.1
UniProt Primary Accession #	Q9BXT6
UniProt Secondary Accession #	Q5TGD5; Q8NBD4; Q9NXW3; Q9UFB3; Q9UGX9; A7E211; A8MXC6; B7WPP1; B7Z7R1; F5H403
UniProt Related Accession #	Q9BXT6
GenBank Nucleotide #	NM_001164104.1
NCBI Official Full Name	RNA helicase Mov10l1 isoform 2
NCBI Official Synonym Full Names	Mov10 RISC complex RNA helicase like 1
NCBI Official Symbol	MOV10L1
NCBI Official Synonym Symbols	CHAMP; DJ402G11.8
UniProt Protein Name	RNA helicase Mov10l1
UniProt Synonym Protein Names	Moloney leukemia virus 10-like protein 1
Protein Family	RNA helicase
UniProt Gene Name	MOV10L1
UniProt Synonym Gene Names	MOV10-like protein 1
NCBI Protein Information	RNA helicase Mov10l1
NCBI Summary for MOV10L1	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]
Research Articles on MOV10L1	**1.** Our results suggest that MOV10L1 gene polymorphisms in the studied infertile males with complete maturation arrest are linked to infertility.
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