

Rabbit anti-Human, Rat MOV10L1 Polyclonal Antibody | anti-MOV10L1 antibody

MOV10L1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325015	Rabbit	Human, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

MOV10L1; Polyclonal Antibody; MOV10L1 Antibody; Cardiac helicase activated by MEF2 protein; Cardiac specific RNA helicase; CHAMP; Csm; M10L1_HUMAN; Moloney leukemia virus 10 like protein 1; Moloney leukemia virus 10-like protein 1; MOV10 like 1; MOV10 like protein 1; MOV10-like protein 1; Mov10l1; Moloney leukemia virus 10 like 1; homolog (mouse); Putative helicase Mov10l1; anti-MOV10L1 antibody

PRODUCT SPECIFICATIONS

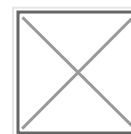
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MOV10L1 antibody detects endogenous levels of total MOV10L1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1165
Applicable Applications for anti-MOV10L1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Tissue Specificity	Isoform 1: Specifically expressed in testis.
Predicted Cross Reactivity	Dog
Similarity	Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from RAW264.7 cells using MOV10L1 antibody.



IF (Immunofluorescence)

AAA325015 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of MOV10L1 expression in Rat brain lysate

ADDITIONAL INFORMATION

Related Product Information for anti-MOV10L1 antibody	Function: 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. Subunit Structure: Interacts with PIWIL1. Interacts with PIWIL2. Interacts with PIWIL4. Interacts with HSPA2. Interacts with PLD6. Similarity: Belongs to the DNA2/NAM7 helicase family. SDE3 subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	255759906
NCBI GeneID	54456
NCBI Accession #	NP_001157576.1
NCBI GenBank Nucleotide #	NM_001164104.1
UniProt Accession #	Q9BXT6; Q5TGD5; Q8NBD4; Q9NXW3; Q9UFB3; Q9UGX9; A7E211; A8MXC6; B7WPP1; B7Z7R1; F5H403
Molecular Weight	Observed: 140 kD Predicted: 136 kDa
NCBI Official Full Name	RNA helicase Mov10l1 isoform 2
NCBI Official Synonym Full Names	Mov10 like RISC complex RNA helicase 1
NCBI Official Symbol	MOV10L1
NCBI Official Synonym Symbols	CHAMP; DJ402G11.8
NCBI Protein Information	RNA helicase Mov10l1
UniProt Protein Name	RNA helicase Mov10l1
UniProt Gene Name	MOV10L1
UniProt Synonym Gene Names	MOV10-like protein 1ImportedManual assertion inferred from database entriesiHGNC:7201

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.