

MOV10L1 antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI10986

Product Information

Application	WB
Primary Accession	Q9BXT6
Other Accession	NM_018995 , NP_061868
Reactivity	Human, Mouse, Rat, Rabbit, Dog, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	135293

Additional Information

Gene ID	54456
Alias Symbol Other Names	DJ402G11.8, DKFZp434B0717, FLJ33421, CHAMP Putative helicase Mov10l1, 3.6.4.13, Moloney leukemia virus 10-like protein 1, MOV10-like protein 1, MOV10L1
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-MOV10L1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	MOV10L1 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

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}

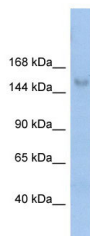
Tissue Location

[Isoform 1]: Specifically expressed in testis.

References

Collins,J.E., Genome Biol. 5 (10), R84 (2004)Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

Images



WB Suggested Anti-MOV10L1 Antibody Titration: 0.2-1
µg/ml
ELISA Titer: 1:12500
Positive Control: Human Small Intestine

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