

MOV10L1 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI10986**Specification**

MOV10L1 antibody - N-terminal region - Product Information

Application	WB
Primary Accession	Q9BXT6
Other Accession	NM_018995 , NP_061868
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Bovine, Dog
Predicted Host	Human, Mouse, Rat, Rabbit, Horse, Bovine
Clonality	Rabbit
Calculated MW	Polyclonal 135kDa KDa

MOV10L1 antibody - N-terminal region - Additional Information**Gene ID** 54456**Alias Symbol** **DJ402G11.8, DKFZp434B0717, FLJ33421, CHAMP****Other Names**

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.

MOV10L1 antibody - N-terminal region - Protein Information**Name** MOV10L1 ([HGNC:7201](#))**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.

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}

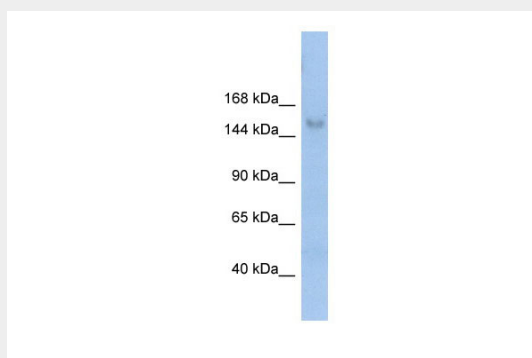
Tissue Location

[Isoform 1]: Specifically expressed in testis.

MOV10L1 antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MOV10L1 antibody - N-terminal region - Images

WB Suggested Anti-MOV10L1 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:12500

Positive Control: Human Small Intestine

MOV10L1 antibody - N-terminal region - 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.