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Anti-MOV10L1 Antibody

Rabbit polyclonal antibody to MOV10L1
Catalog # AP60107

Specification

Anti-MOV10L1 Antibody - Product Information

Application	**WB, IHC**
Primary Accession	Q9BXT6
Other Accession	Q99MV5
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**135293**

Anti-MOV10L1 Antibody - Additional Information

Gene ID 54456

Other Names
Putative helicase Mov10l1; Moloney leukemia virus 10-like protein 1; MOV10-like protein 1

Target/Specificity
Recognizes endogenous levels of MOV10L1 protein.

Dilution
WB~~WB (1/500 - 1/1000), IH (1/100 - 1/200)
IHC~~1:100~500

Format
Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage
Store at -20 °C.Stable for 12 months from date of receipt

Anti-MOV10L1 Antibody - 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}

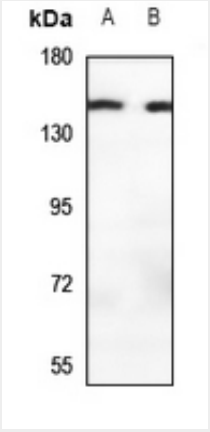
Tissue Location
[Isoform 1]: Specifically expressed in testis.

Anti-MOV10L1 Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-MOV10L1 Antibody - Images



Western blot analysis of MOV10L1 expression in rat testis (A), mouse testis (B) whole cell lysates.

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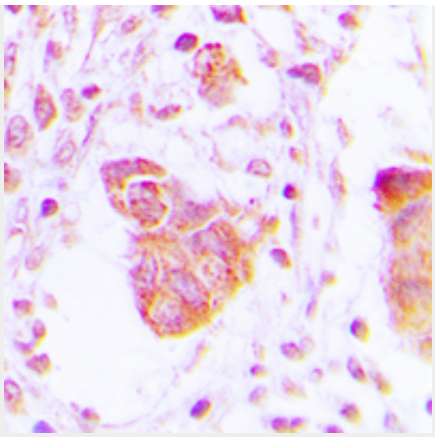

Immunohistochemical analysis of MOV10L1 staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Anti-MOV10L1 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MOV10L1. The exact sequence is proprietary.