

Rabbit Mov10 Polyclonal Antibody | anti-MOV10 antibody

Mov10 Antibody

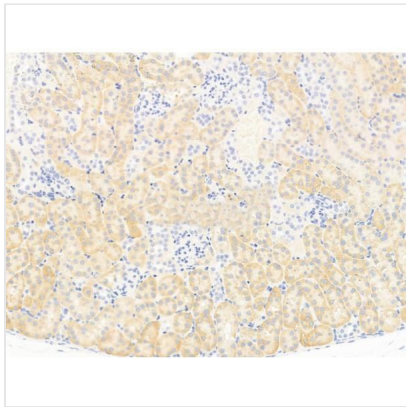
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329146	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%)	ELISA

PRODUCT SYNONYMS

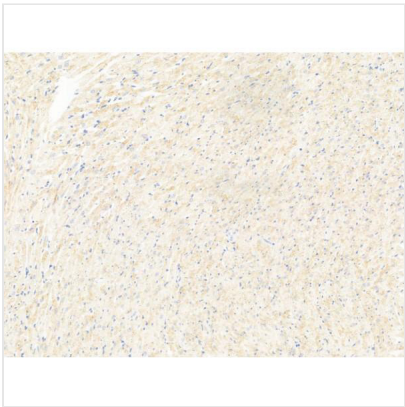
Mov10; Polyclonal Antibody; Mov10 Antibody; DKFZp667O1423; FLJ32791; fSAP113; Functional spliceosome-associated protein 113; gb110; MGC2948; Moloney leukemia virus 10 protein; MOV 10; Mov10 (Moloney leukemia virus 10; mouse) homolog;) homolog; Moloney leukemia virus 10; homolog (mouse); homolog; Putative helicase MOV10; anti-MOV10 antibody

PRODUCT SPECIFICATIONS

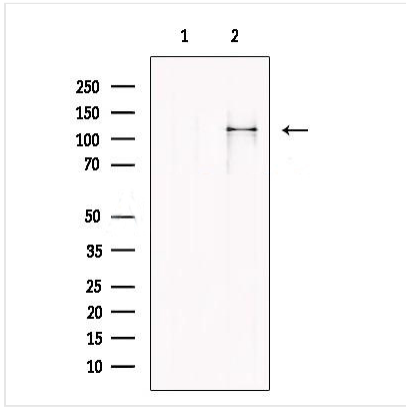
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	Mov10 Antibody detects endogenous levels of total Mov10.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	1003
Applicable Applications for anti-MOV10 antibody	ELISA
Immunogen	A synthesized peptide derived from human Mov10, corresponding to a region within C-terminal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



IHC (Immunohistochemisry)
AAA329146 at 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohiostchemistry)
AAA329146 at 1/100 staining Rat heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from HeLa cells, using Mov10 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-MOV10 antibody	Function: 5' to 3' RNA helicase contributing to UPF1 mRNA target degradation by translocation along 3' UTRs (PubMed:24726324). Required for microRNA (miRNA)-mediated gene silencing by the RNA-induced silencing complex (RISC). Required for both miRNA-mediated translational repression and miRNA-mediated cleavage of complementary mRNAs by RISC (PubMed:16289642, PubMed:17507929, PubMed:22791714). In cooperation with FMR1, regulates miRNA-mediated translational repression by AGO2 (PubMed:25464849). Restricts retrotransposition of long interspersed element-1 (LINE-1) in cooperation with TUT4 and TUT7 counteracting the RNA chaperone activity of L1RE1 (PubMed:30122351, PubMed:23093941). Facilitates LINE-1 uridylation by TUT4 and TUT7 (PubMed:30122351). Required for embryonic viability and for normal central nervous system development and function. Plays two critical roles in early brain development: suppresses retroelements in the nucleus by directly inhibiting cDNA synthesis, while regulates cytoskeletal mRNAs to influence neurite outgrowth in the cytosol (By similarity). May function as a messenger ribonucleoprotein (mRNP) clearance factor (PubMed:24726324). Exhibits antiviral activity against dengue virus (DENV) (PubMed:27974568).(Microbial infection) Required for RNA-directed transcription and replication of the human hepatitis delta virus (HDV). Interacts with small capped HDV RNAs derived from genomic hairpin structures that mark the initiation sites of RNA-dependent HDV RNA transcription. Subcellular Location: Cytoplasm>P-body. Cytoplasm>Cytoplasmic ribonucleoprotein granule. Cytoplasm>Stress granule. Nucleus. Cytoplasm. Note: Co-enriched in cytoplasmic foci with TUT4 (PubMed:30122351). In developing neurons, localizes both in nucleus and cytoplasm, but in the adulthood it is only cytoplasmic (By similarity). After infection, relocates to the DENV replication complex in perinuclear regions (PubMed:27974568). Subunit Structure: Interacts with DICER1, AGO2, TARBP2, EIF6 and RPL7A (60S ribosome subunit); they form a large RNA-induced silencing complex (RISC) (PubMed:17507929). Interacts with APOBEC3G in an RNA-dependent manner. Interacts with TRIM71 (via NHL repeats) in an RNA-dependent manner (PubMed:23125361). Interacts with both protein products of LIRE1, ORF1p and ORF2p (PubMed:23093941). Interacts with TUT4 and, to a lesser extent, TUT7; the interactions are RNA-dependent (PubMed:30122351). Interacts with AGO2, TNRC6B and UPF1; the interactions are direct and RNA-dependent (PubMed:24726324). Interacts with FMR1; this interaction is direct, occurs in an RNA-dependent manner on polysomes and induces association of MOV10 with RNAs (PubMed:25464849). Interacts with SHFL; the interaction increases in presence of RNA (PubMed:27974568).(Microbial infection) Interacts with the human hepatitis delta virus (HDV) antigen HDAg. Similarity: Belongs to the DNA2/NAM7 helicase family. SDE3 subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	24638063
NCBI GeneID	4343
UniProt Accession #	Q9HCE1
Molecular Weight	Observed Molecular Weight: (Observed)113kD. Predicted Molecular Weight: (Calculated)114kDa.
NCBI Official Full Name	Helicase MOV-10
NCBI Official Synonym Full Names	Mov10 RISC complex RNA helicase
NCBI Official Symbol	MOV10
NCBI Official Synonym Symbols	gb110; fSAP113
NCBI Protein Information	helicase MOV-10
UniProt Protein Name	Putative helicase MOV-10
UniProt Gene Name	MOV10
UniProt Synonym Gene Names	KIAA1631
UniProt Entry Name	MOV10_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mov10-antibody-elisa/329146>