

Datasheet for ABIN3018354
anti-MOV10 antibody (AA 1-310)



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2 Images

Overview

Quantity:	500 µL
Target:	MOV10
Binding Specificity:	AA 1-310
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-310 of human MOV10 (NP_066014.1).
Sequence:	MPSKFSCRQL REAGQCFESF LVVRGLDMET DRERLRTIYN RDFKISFGTP APGFSSMLYG MKIANLAYVT KTRVRFFRLD RWADVRFPEK RRMKLGSDIS KHHKSLLAKI FYDRAEYLHG KHGVDVEVQG PHEARDGQLL IRLDLNRKEV LTLRLRNGGT QSVTLTHLFP LCRTQPQAFY NEDQELPCPL GPGECEYELHV HCKTSFVG YF PATVLWELLG PGESGSEGAG TFYIARFLAA VAHSPLAAQL KPMPFPKRTR ITGNPVVTNR IEEGERPDRA KGYDLELSMA LGTYPPPPRL RQLLPMLLQG
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	MOV10
Alternative Name:	MOV10 (MOV10 Products)
Background:	5' to 3' RNA helicase contributing to UPF1 mRNA target degradation by translocation along 3' UTRs. 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. In cooperation with FMR1, regulates miRNA-mediated translational repression by AGO2. Restricts retrotransposition of long interspersed element-1 (LINE-1 in cooperation with TUT4 and TUT7 counteracting the RNA chaperonne activity of L1RE1. Facilitates LINE-1 uridylation by TUT4 and TUT7. 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. Exhibits antiviral activity against dengue virus (DENV.,MOV10,fSAP113,gb110,Epigenetics & Nuclear Signaling,RNA Binding,MOV10
Molecular Weight:	6 kDa/101 kDa/113 kDa
Gene ID:	4343
UniProt:	Q9HCE1
Pathways:	Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	WB,1:1000 - 1:2000
Restrictions:	For Research Use only

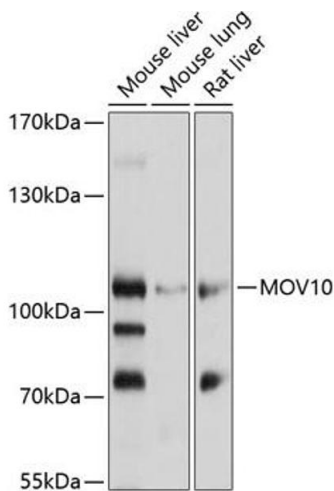
Handling

Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

Handling

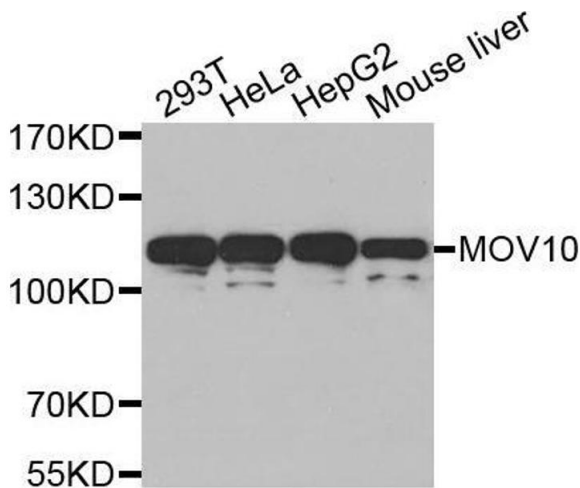
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using MOV10 antibody (ABIN1680885, ABIN3018353, ABIN3018354 and ABIN6220441) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using MOV10 antibody.