

bs-17730R**[Primary Antibody]****Mov10 Rabbit pAb**

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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100-500) ELISA (1:5000-10000) Reactivity: (predicted: Human, Mouse, Rat, Pig, Sheep, Cow, Dog, Horse) Predicted MW.: 114 kDa Subcellular Location: Cytoplasm
Clonality: Polyclonal		
GeneID: 17454	SWISS: P23249	
Target: Mov10		
Immunogen: KLH conjugated synthetic peptide derived from mouse Mov10: 761-860/1004.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: MOV10 is a RNA helicase that is required for RNA-mediated gene silencing by RISC (RNA-induced silencing complex). Significantly, MOV10 is also required for the transcription and replication of the human hepatitis delta virus, also known as hepatitis D. Belonging to the same family as MOV10, MOV10L1 (Moloney leukemia virus 10-like protein 1) is a 1211 amino acid RNA helicase that is expressed as three isoforms. Interestingly, isoform 1 is expressed exclusively in testis and isoform 2 is specifically expressed in cardiac myocytes. Isoform 1 may play a role in male germ cell development, whereas isoform 2 has been shown to potentiate phenylephrine-induced hypertrophic response in cardiomyocytes. Each isoform contains a RNA interaction motif, ATP binding site and helicase motif through which it carries out its function.		