DHX15 Mouse mAb

Catalog No	YP-mAb-19198
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	DHX15 DBP1 DDX15
Immunogen	Synthesized peptide derived from human DHX15
Specificity	This antibody detects endogenous levels of DHX15 at Human, Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal,Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ATP dependent RNA helicase #46;ATP-dependent RNA helicase #46;DBP1; DDX15;DEADH box 15;DEAH (Asp Glu Ala His) box polypeptide 15;DEAH box polypeptide 15;DEAH box protein 15;DHX15;DHX15_HUMAN;HRH2;Pre-mRNA-splicing factor ATP-dependent RNA helicase DHX15;PRP43;PrPp43p;RNA helicase 2;DHX15 DBP1 DDX15;Putative pre-mRNA-splicing factor ATP-dependent RNA helicase DHX15 (ATP-dependent RNA helicase #46) (DEAH box protein 15)
Observed Band	
Calculated Molecular Weight	91 kDa; 91kD(Calculated).
Cell Pathway	Nucleus . Nucleus, nucleolus .
Tissue Specificity	Ubiquitous.
Function	RNA helicase involved in mRNA processing and antiviral innate immunity . Pre-mRNA processing factor involved in disassembly of spliceosomes after the release of mature mRNA . In cooperation with TFIP11 seem to be involved in the transition of the U2, U5 and U6 snRNP-containing IL complex to the snRNP-free IS complex leading to efficient debranching and turnover of excised introns . Plays a key role in antiviral innate immunity by promoting both MAVS-dependent signaling and NLRP6 inflammasome . Acts as an RNA virus sensor: recognizes

	and binds viral double stranded RNA (dsRNA) and activates the MAVS-dependent signaling to produce interferon-beta and interferon lambda-3 (IFNL3) . Involved in intestinal antiviral innate immunity together with NLRP6: recognizes and binds viral dsRNA and promotes activation of the NLRP6 inflammasome in intestinal epithelial cells to restrict infection by enteric viruses . The NLRP6 inflammasome acts by promoting maturation and secretion of IL18 in the extracellular milieu . Also involved in antibacterial innate immunity by promoting Wnt-induced antimicrobial protein expression in Paneth cells (By similarity).
Background	
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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