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DHX8 Antibody (monoclonal) (M07)

Mouse monoclonal antibody raised against a partial recombinant DHX8.
Catalog # AT1761a

Product Information

Application	WB, E
Primary Accession	Q14562
Other Accession	NM_004941
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	1D6
Calculated MW	139315

Additional Information

Gene ID	1659
Other Names	ATP-dependent RNA helicase DHX8, DEAH box protein 8, RNA helicase HRH1, DHX8, DDX8
Target/Specificity	DHX8 (NP_004932, 301 a.a. ~ 400 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	DHX8 Antibody (monoclonal) (M07) is for research use only and not for use in diagnostic or therapeutic procedures.

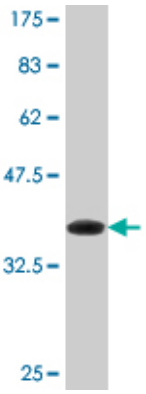
Background

DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a DEAD box protein, which is highly homologous to yeast Prp22. This protein facilitates nuclear export of spliced mRNA by releasing the RNA from the spliceosome.

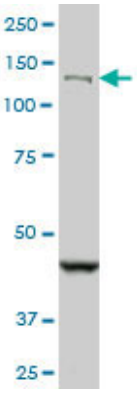
References

Crystallization and preliminary X-ray diffraction analysis of the C-terminal domain of the human spliceosomal DExD/H-box protein hPrp22. Kudlinzki D, et al. Acta Crystallogr Sect F Struct Biol Cryst Commun, 2009 Sep 1. PMID 19724143.Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. Cell, 2009 Jul 23. PMID 19615732.Novel function of beta-arrestin2 in the nucleus of mature spermatozoa. Neuhaus EM, et al. J Cell Sci, 2006 Aug 1. PMID 16820410.Quantitative phosphoproteome analysis using a dendrimer conjugation chemistry and tandem mass spectrometry. Tao WA, et al. Nat Methods, 2005 Aug. PMID 16094384.Nucleolar proteome dynamics. Andersen JS, et al. Nature, 2005 Jan 6. PMID 15635413.

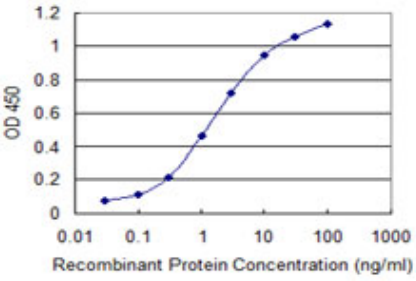
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



DHX8 monoclonal antibody (M07), clone 1D6. Western Blot analysis of DHX8 expression in Jurkat ((Cat # AT1761a)



Detection limit for recombinant GST tagged DHX8 is 0.03 ng/ml as a capture antibody.