

# DHX8 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant DHX8. Catalog # AT1760a

### **Product Information**

**Application** WB, E **Primary Accession** Q14562 **Other Accession** NM 004941 Reactivity Human Host mouse Clonality monoclonal Isotype IgG2a Kappa **Clone Names** 1E11

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.

WB~~1:500~1000 E~~N/A Dilution

**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) (M01) 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.

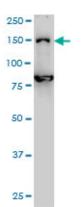
#### References

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.

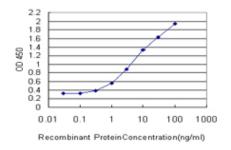
### **Images**



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



DHX8 monoclonal antibody (M01), clone 1E10 Western Blot analysis of DHX8 expression in Hela S3 NE ( (Cat # AT1760a )



Detection limit for recombinant GST tagged DHX8 is approximately 0.3ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.