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DDX1 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant DDX1.
Catalog # AT1732a

Product Information

Application	WB
Primary Accession	Q92499
Other Accession	NM_004939
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	4F6
Calculated MW	82432

Additional Information

Gene ID	1653
Other Names	ATP-dependent RNA helicase DDX1, DEAD box protein 1, DEAD box protein retinoblastoma, DBP-RB, DDX1
Target/Specificity	DDX1 (NP_004930, 642 a.a. ~ 740 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000
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	DDX1 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

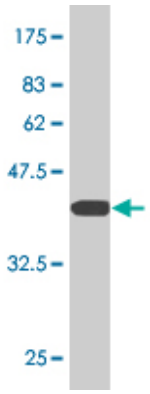
Background

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 of unknown function. It shows high transcription levels in 2 retinoblastoma cell lines and in tissues of neuroectodermal origin.

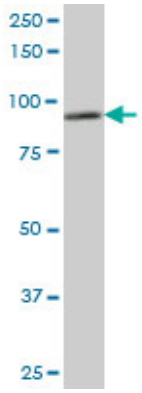
References

The cellular RNA helicase DDX1 interacts with coronavirus nonstructural protein 14 and enhances viral replication. Xu L, et al. J Virol, 2010 Sep. PMID 20573827.Common variants in the trichohyalin gene are associated with straight hair in Europeans. Medland SE, et al. Am J Hum Genet, 2009 Nov. PMID 19896111.DDX1 is required for testicular tumorigenesis, partially through the transcriptional activation of 12p stem cell genes. Tanaka K, et al. Oncogene, 2009 May 28. PMID 19398953.Coeliac disease-associated risk variants in TNFAIP3 and REL implicate altered NF-kappaB signalling. Trynka G, et al. Gut, 2009 Aug. PMID 19240061.The DEAD-box RNA helicase DDX1 interacts with RelA and enhances nuclear factor kappaB-mediated transcription. Ishaq M, et al. J Cell Biochem, 2009 Feb 1. PMID 19058135.

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.63 KDa) .



DDX1 monoclonal antibody (M02), clone 4F6. Western Blot analysis of DDX1 expression in Hela S3 NE ((Cat # AT1732a)

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