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DDX56 Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a partial recombinant DDX56.
Catalog # AT1741a

Product Information

Application	WB, E
Primary Accession	Q9NY93
Other Accession	NM_019082
Reactivity	Human, Mouse, Rat
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	6B9
Calculated MW	61590

Additional Information

Gene ID	54606
Other Names	Probable ATP-dependent RNA helicase DDX56, ATP-dependent 61 kDa nucleolar RNA helicase, DEAD box protein 21, DEAD box protein 56, DDX56, DDX21, NOH61
Target/Specificity	DDX56 (NP_061955, 450 a.a. ~ 547 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	DDX56 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

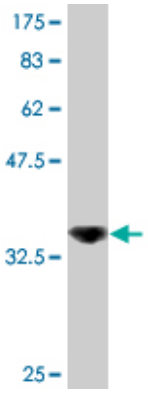
Background

This gene encodes a member of the DEAD box protein family. 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. The protein encoded by this gene shows ATPase activity in the presence of polynucleotides and associates with nucleoplasmic 65S preribosomal particles. This gene may be involved in ribosome synthesis, most likely during assembly of the large 60S ribosomal subunit.

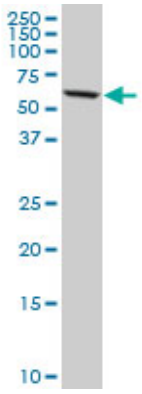
References

1.Quantitative Proteomics and Dynamic Imaging of the Nucleolus Reveal Distinct Responses to UV and Ionizing Radiation.Moore HM, Bai B, Boisvert FM, Latonen L, Rantanen V, Simpson JC, Pepperkok R, Lamond AI, Laiho M.Mol Cell Proteomics. 2011 Oct;10(10):M111.009241. Epub 2011 Jul 21.

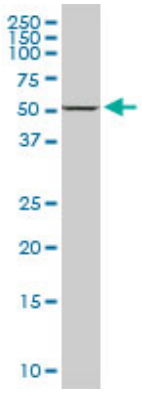
Images



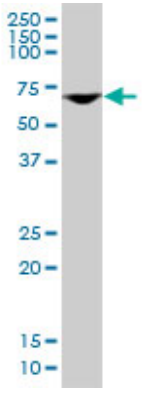
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.52 KDa) .



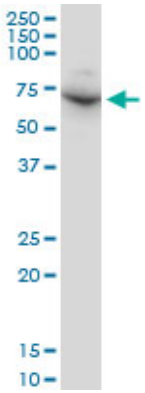
DDX56 monoclonal antibody (M03), clone 6B9. Western Blot analysis of DDX56 expression in HeLa ((Cat # AT1741a)



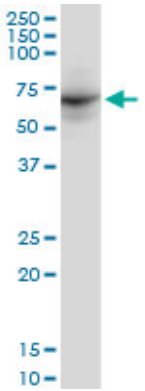
DDX56 monoclonal antibody (M03), clone 6B9. Western Blot analysis of DDX56 expression in PC-12 ((Cat # AT1741a)



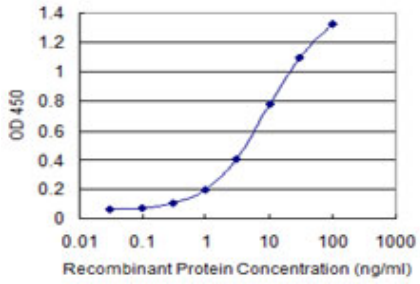
DDX56 monoclonal antibody (M03), clone 6B9. Western Blot analysis of DDX56 expression in HepG2 ((Cat # AT1741a)



DDX56 monoclonal antibody (M03), clone 6B9. Western Blot analysis of DDX56 expression in Raw 264.7((Cat # AT1741a)



DDX56 monoclonal antibody (M03), clone 6B9. Western Blot analysis of DDX56 expression in NIH/3T3((Cat # AT1741a)



Detection limit for recombinant GST tagged DDX56 is 0.1 ng/ml as a capture antibody.