10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

DDX41 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant DDX41.
Catalog # AT1736a

Product Information

Application	WB, IF, E
Primary Accession	Q9UJV9
Other Accession	NM_016222
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	2F4
Calculated MW	69838

Additional Information

Gene ID	51428
Other Names	Probable ATP-dependent RNA helicase DDX41, DEAD box protein 41, DEAD box protein abstrakt homolog, DDX41, ABS
Target/Specificity	DDX41 (NP_057306, 523 a.a. ~ 622 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200 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	DDX41 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

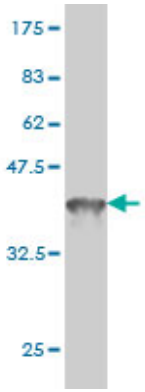
Background

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 the DEAD box protein family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a member of this family. The function of this member has not been determined. Based on studies in Drosophila, the abstrakt gene is widely required during post-transcriptional gene expression.

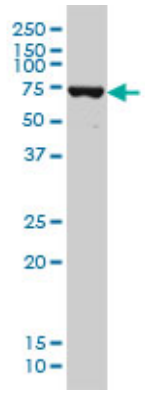
References

Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. Cell, 2009 Jul 23. PMID 19615732.Toward a confocal subcellular atlas of the human proteome. Barbe L, et al. Mol Cell Proteomics, 2008 Mar. PMID 18029348.Systematic identification of SH3 domain-mediated human protein-protein interactions by peptide array target screening. Wu C, et al. Proteomics, 2007 Jun. PMID 17474147.Large-scale mapping of human protein-protein interactions by mass spectrometry. Ewing RM, et al. Mol Syst Biol, 2007. PMID 17353931.Global, in vivo, and site-specific phosphorylation dynamics in signaling networks. Olsen JV, et al. Cell, 2006 Nov 3. PMID 17081983.

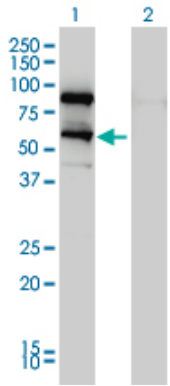
Images



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

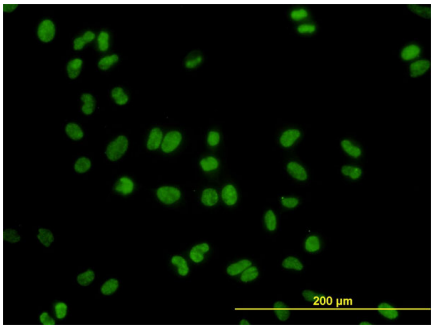


DDX41 monoclonal antibody (M01), clone 2F4 Western Blot analysis of DDX41 expression in Hela S3 NE ((Cat # AT1736a)

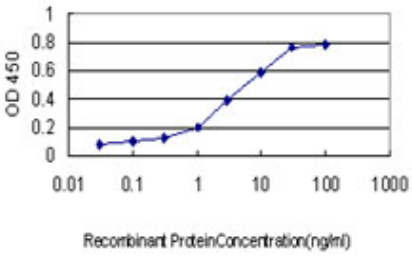


Western Blot analysis of DDX41 expression in transfected 293T cell line by DDX41 monoclonal antibody (M01), clone 2F4.

Lane 1: DDX41 transfected lysate(70 KDa).
Lane 2: Non-transfected lysate.



Immunofluorescence of monoclonal antibody to DDX41 on HeLa cell. [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged DDX41 is approximately 0.3ng/ml as a capture antibody.