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DDX41 Antibody (monoclonal) (M01)

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

Specification

DDX41 Antibody (monoclonal) (M01) - Product Information

Application	**WB, IF, E**
Primary Accession	Q9UJV9
Other Accession	NM_016222
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 Kappa**
Calculated MW	**69838**

DDX41 Antibody (monoclonal) (M01) - 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.

DDX41 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot

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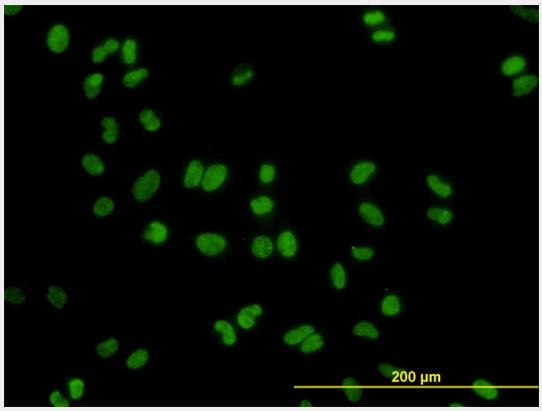
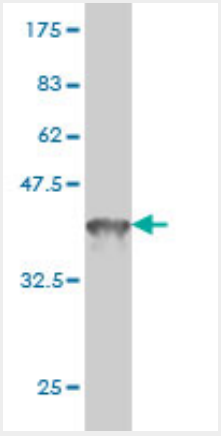
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

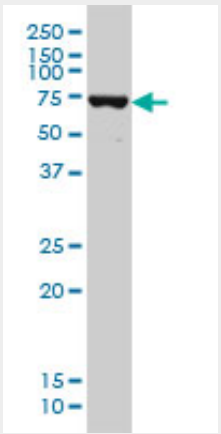
DDX41 Antibody (monoclonal) (M01) - Images



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



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



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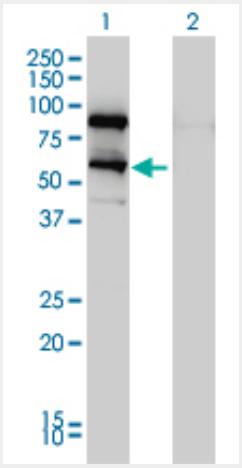
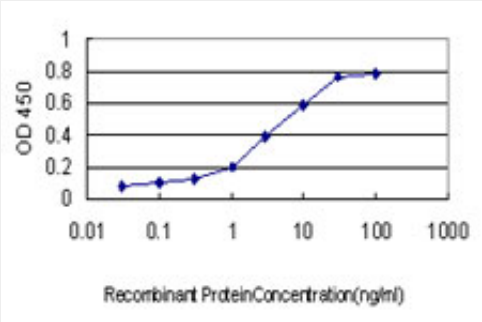
DDX41 monoclonal antibody (M01), clone 2F4 Western Blot analysis of DDX41 expression in Hela S3 NE ((Cat # AT1736a)



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.



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

DDX41 Antibody (monoclonal) (M01) - 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.

DDX41 Antibody (monoclonal) (M01) - 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.