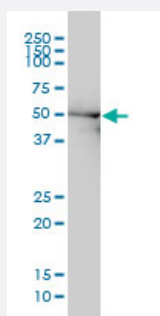


DDX6 monoclonal antibody (M01), clone 3D2

Catalog # H00001656-M01

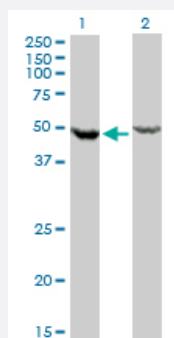
Size 100 ug

Applications



Western Blot (Cell lysate)

DDX6 monoclonal antibody (M01), clone 3D2 Western Blot analysis of DDX6 expression in HeLa (Cat # L013V1).

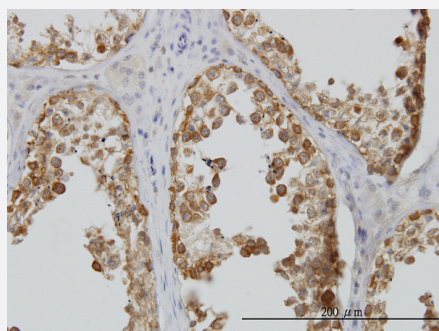


Western Blot (Transfected lysate)

Western Blot analysis of DDX6 expression in transfected 293T cell line by DDX6 monoclonal antibody (M01), clone 3D2.

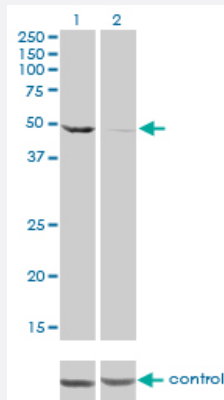
Lane 1: DDX6 transfected lysate(53.2 KDa).

Lane 2: Non-transfected lysate.



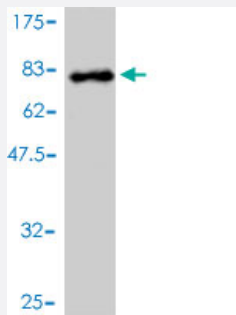
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to DDX6 on formalin-fixed paraffin-embedded human testis. [antibody concentration 3 ug/ml]



RNAi Knockdown (Antibody validated)

Western blot analysis of DDX6 over-expressed 293 cell line, cotransfected with DDX6 Validated Chimera RNAi (Cat # H00001656-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with DDX6 monoclonal antibody (M01), clone 3D2 (Cat # H00001656-M01). GAPDH (36.1 kDa) used as specificity and loading control.



Western Blot detection against Immunogen (78.87 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant DDX6.
Immunogen	DDX6 (AAH65007, 1 a.a. ~ 483 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MSTARTENPVMGLSSQNGQLRGPVKPTGGPGGGGTQTQQQMNQLKNTNTINNGTQQQAQSMITT TIKPGDDWKKTLLPPKDLRIKTS DVTSTKGNEFEDYCLKRELLMGIFEMGWEKPSPIQEE SGRDILARAKNGTGKSGAYLIPLLERLDLKKDNIQAMVIVPTRELALQVSQICIQVSKHMGGA KVMATTGGTNLRDDIMRLDDTVHVVIATPGRILDLIKKGVAKVDHVQMIVLDEADKLLSQDFVQIMEDI ILTL PKNRQILLYSATFPLSVQKFMNSHLQKPYEINLMEELTLKGVYQYYAVYTERQKVHCLNTLFSRLQI NQSIIFCNSSQRVELLAKKISQLGYSCFYHAKMRQEHRNRVHDFRNLGCRNLVCTDLFTRGIDIQA VNVVINFDFPKLAETYLHRIGRSGRFGHLGLAINLITYDDRFNLKSIEEQLGTEIKPIPSNIDKSLYVAE YHSEPVEDEKP
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (98); Rat (98)
Isotype	IgG1 kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (78.87 KDa) .

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

DDX6 monoclonal antibody (M01), clone 3D2 Western Blot analysis of DDX6 expression in Hela (Cat # L013V1).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of DDX6 expression in transfected 293T cell line by DDX6 monoclonal antibody (M01), clone 3D2.

Lane 1: DDX6 transfected lysate(53.2 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to DDX6 on formalin-fixed paraffin-embedded human testis. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of DDX6 over-expressed 293 cell line, cotransfected with DDX6 Validated Chimera RNAi (Cat # H00001656-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with DDX6 monoclonal antibody (M01), clone 3D2 (Cat # H00001656-M01). GAPDH (36.1 kDa) used as specificity and loading control.

[Protocol Download](#)

Gene Info — DDX6

Entrez GeneID	1656
GeneBank Accession#	BC065007
Protein Accession#	AAH65007
Gene Name	DDX6
Gene Alias	FLJ36338, HLR2, P54, RCK
Gene Description	DEAD (Asp-Glu-Ala-Asp) box polypeptide 6
Omim ID	600326
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the DEAD box protein family. The protein is an RNA helicase found in P-bodies and stress granules, and functions in translation suppression and mRNA degradation. It is required for microRNA-induced gene silencing. [provided by RefSeq]
Other Designations	DEAD box-6 DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 6 (RNA helicase, 54kD)

Publication Reference

- [Cytoplasmic aggregation of DDX1 in developing embryos: Early embryonic lethality associated with Ddx1 knockout.](#)

Hildebrandt MR, Wang Y, Li L, Yasmin L, Glubrecht DD, Godbout R.
Developmental Biology 2019 Jul; [Epub].

Application: IF, Mouse, Mouse embryos
- [DDX6 localizes to nuage structures and the annulus of mammalian spermatogenic cells.](#)

Kawahara C, Yokota S, Fujita H.
Histochemistry and Cell Biology 2014 Jan; 141(1):111.

Application: IF, WB-Ti, IEM, Rat, Mouse, Testis
- [The DEAD-box RNA Helicase DDX6 is Required for Efficient Encapsidation of a Retroviral Genome.](#)

Yu SF, Lujan P, Jackson DL, Emerman M, Linial ML.
PLoS Pathogens 2011 Oct; 7(10):e1002303.

Application: IF, WB, Human, HT1080, 293T cells

- [Rck/p54 interacts with APP mRNA as part of a multi-protein complex and enhances APP mRNA and protein expression in neuronal cell lines.](#)

Broytman O, Westmark PR, Gurel Z, Malter JS.

Neurobiology of Aging 2008 Apr; 30(12):1962.

Application: WB, Human, SH-SY5Y cells

Pathway

- [RNA degradation](#)