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

DDX56 Antibody (monoclonal) (M05)

Mouse monoclonal antibody raised against a partial recombinant DDX56.
Catalog # AT1742a

Specification

DDX56 Antibody (monoclonal) (M05) - Product Information

Application	**IF, WB, IHC, E**
Primary Accession	Q9NY93
Other Accession	NM_019082
Reactivity	**Human, Rat**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**61590**

DDX56 Antibody (monoclonal) (M05) - 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

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) (M05) is for research use only and not for use in diagnostic or therapeutic procedures.

DDX56 Antibody (monoclonal) (M05) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot

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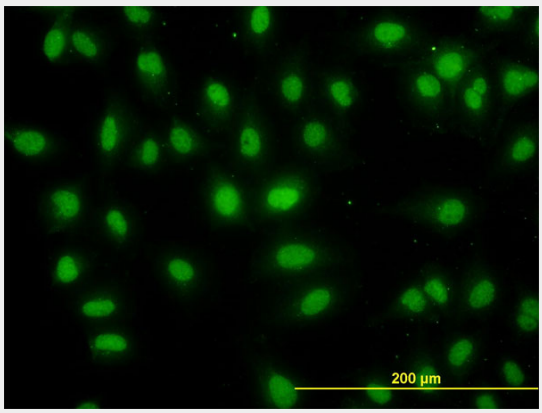
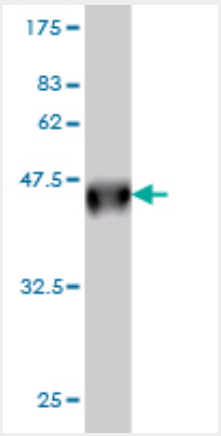
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

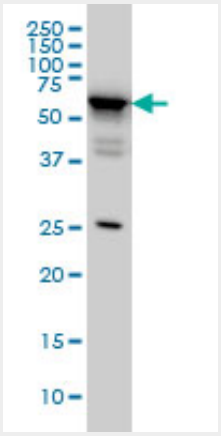
DDX56 Antibody (monoclonal) (M05) - Images



Immunofluorescence of monoclonal antibody to DDX56 on HeLa cell. [antibody concentration 10 ug/ml]



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



DDX56 monoclonal antibody (M05), clone 4C5 Western Blot analysis of DDX56 expression in HeLa

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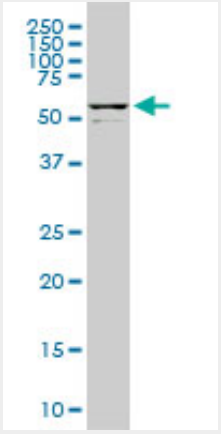
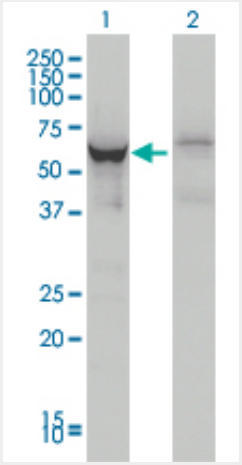
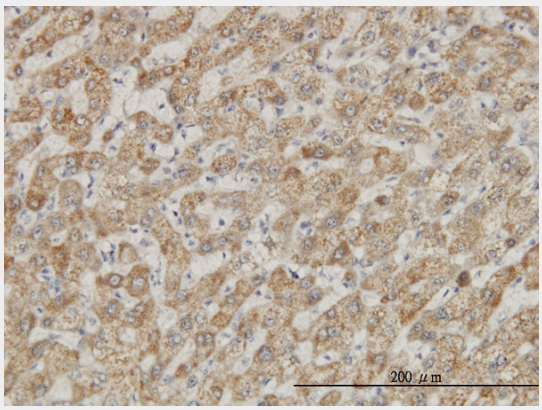


DDX56 monoclonal antibody (M05), clone 4C5. Western Blot analysis of DDX56 expression in PC-12 ((Cat # AT1742a)



Western Blot analysis of DDX56 expression in transfected 293T cell line by DDX56 monoclonal antibody (M05), clone 4C5.

Lane 1: DDX56 transfected lysate(62 KDa).
Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to DDX56 on formalin-fixed paraffin-embedded human liver. [antibody concentration 3 ug/ml]

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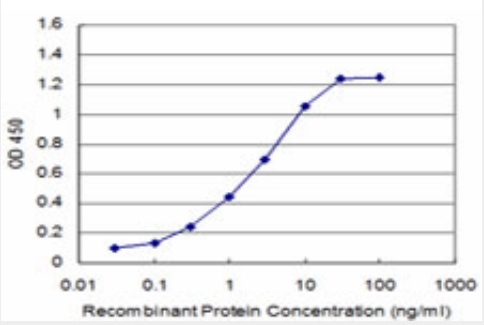

Detection limit for recombinant GST tagged DDX56 is approximately 0.1ng/ml as a capture antibody.

DDX56 Antibody (monoclonal) (M05) - 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.

DDX56 Antibody (monoclonal) (M05) - References

Large-scale mapping of human protein-protein interactions by mass spectrometry. Ewing RM, et al. Mol Syst Biol, 2007. PMID 17353931.A human protein-protein interaction network: a resource for annotating the proteome. Stelzl U, et al. Cell, 2005 Sep 23. PMID 16169070.Nucleolar proteome dynamics. Andersen JS, et al. Nature, 2005 Jan 6. PMID 15635413.The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.A protein interaction framework for human mRNA degradation. Lehner B, et al. Genome Res, 2004 Jul. PMID 15231747.