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

DDX54 Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a partial recombinant DDX54.
Catalog # AT1740a

Specification

DDX54 Antibody (monoclonal) (M03) - Product Information

Application	**WB, E**
Primary Accession	Q8TDD1
Other Accession	NM_024072
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**98595**

DDX54 Antibody (monoclonal) (M03) - Additional Information

Gene ID 79039

Other Names
ATP-dependent RNA helicase DDX54, ATP-dependent RNA helicase DP97, DEAD box RNA helicase 97 kDa, DEAD box protein 54, DDX54

Target/Specificity
DDX54 (NP_076977, 778 a.a. ~ 881 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
DDX54 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

DDX54 Antibody (monoclonal) (M03) - Protocols

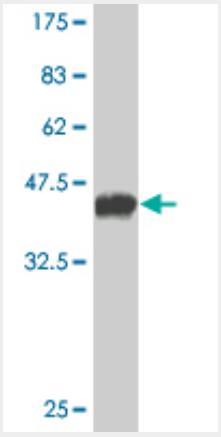
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides

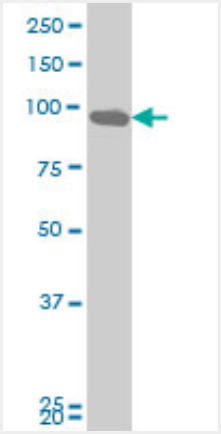
10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

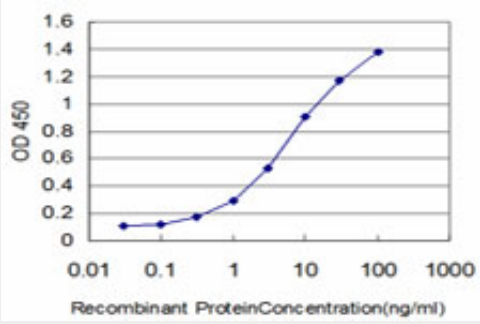
DDX54 Antibody (monoclonal) (M03) - Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.18 KDa) .



DDX54 monoclonal antibody (M03), clone 5B3 Western Blot analysis of DDX54 expression in A-431 ((Cat # AT1740a)



Detection limit for recombinant GST tagged DDX54 is approximately 0.3ng/ml as a capture antibody.

DDX54 Antibody (monoclonal) (M03) - 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 nucleolar protein encoded by this gene interacts in a hormone-dependent manner with nuclear receptors, and represses their transcriptional activity. Alternative splice variants that encode different isoforms have been found for this gene.

DDX54 Antibody (monoclonal) (M03) - References

Structural basis and specificity of human otubain 1-mediated deubiquitination. Edelmann MJ, et al. Biochem J, 2009 Mar 1. PMID 18954305.Global, in vivo, and site-specific phosphorylation dynamics in signaling networks. Olsen JV, et al. Cell, 2006 Nov 3. PMID 17081983.Rapid identification of 14-3-3-binding proteins by protein microarray analysis. Satoh J, et al. J Neurosci Methods, 2006 Apr 15. PMID 16260042.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.