DDX6 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DDX6, Polyclonal Antibody
Full Product Name	DDX6 Antibody, FITC conjugated
Product Gene Name	anti-DDX6 antibody
Product Synonym Names	Probable ATP-dependent RNA helicase DDX6Curated; ATP-dependent RNA helicase p54; DEAD box protein 6; Oncogene RCK; DDX6; HLR2; RCK
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: DDX6 (MBS7048017) FITC Conjugated Antibody: DDX6 (MBS7048019)
Molecular Weight	54,417 Da
OMIM	Z11685 mRNA
3D Structure	ModBase 3D Structure for P26196
Immunogen	Recombinant human Probable ATP-dependent RNA helicase DDX6 protein (1-149AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, PH 7.4
Conjugation	FITC
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-51415 / sc-51416 / sc-67209
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-DDX6 antibody	ELISA (EIA)
Related Product Information for anti-DDX6 antibody	In the process of mRNA degradation, plays a role in mRNA decapping (PubMed: 16364915). Blocks autophagy in nutrient-rich conditions by repressing the expression of ATG-related genes through degration of their transcripts (PubMed: 26098573).
Other Notes	Small volumes of anti-DDX6 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for DDX6 purchase	MBS7048019 is an antibody targeting DDX6. Also known as DDX6 Antibody, FITC conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DDX6. It may not necessarily be applicable to this product.

NCBI GI #	380692342
NCBI GeneID	1656
NCBI Accession #	NP_001244120.1
UniProt Primary Accession #	P26196
UniProt Secondary Accession #	Q5D048
UniProt Related Accession #	P26196
GenBank Nucleotide #	NM_001257191.2
NCBI Official Full Name	probable ATP-dependent RNA helicase DDX6
NCBI Official Synonym Full Names	DEAD-box helicase 6
NCBI Official Symbol	DDX6
NCBI Official Synonym Symbols	P54; RCK; HLR2
UniProt Protein Name	Probable ATP-dependent RNA helicase DDX6
UniProt Synonym Protein Names	ATP-dependent RNA helicase p54; DEAD box protein 6; Oncogene RCK
Protein Family	ATP-dependent RNA helicase
UniProt Gene Name	DDX6
UniProt Synonym Gene Names	HLR2; RCK
UniProt Entry Name	DDX6_HUMAN
NCBI Protein Information	probable ATP-dependent RNA helicase DDX6
NCBI Summary for DDX6	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. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Mar 2012]
UniProt Comments for DDX6	DDX6: an oncogenic ATP-dependent helicase of the DEAD box family. Interacts with argonaute proteins, Ago1 and Ago2, and is a general repressor of translation in human cells by miRNA-induced gene silencing. In the process of mRNA degradation, may play a role in mRNA decapping. Protein type: EC 3.6.4.13; Helicase; Oncoprotein; RNA processing; RNA-binding Chromosomal Location of Human Ortholog: 11q23.3 Cellular Component: cell-cell adherens junction; cytoplasm; cytosol; intracellular membrane-bound organelle; membrane; nucleus; stress granule Molecular Function: ATP-dependent RNA helicase activity; helicase activity; protein binding; protein domain specific binding; RNA helicase activity Biological Process: cytoplasmic mRNA processing body assembly; regulation of translation; RNA secondary structure unwinding; viral RNA genome packaging
Research Articles on DDX6	**1.** DDX6 may have a role in radio- and chemoresistance in glioblastoma
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