DDX6 Antibody Antigenic Blocking Peptide

PRODUCT OVERVIEW

Product Name	DDX6, Blocking Peptide
Full Product Name	DDX6 Antibody Antigenic Blocking Peptide
Product Gene Name	DDX6 blocking peptide
Product Synonym Names	ATP dependent RNA helicase DDX6; ATP dependent RNA helicase p54; DDX6; DEAD (Asp Glu Ala Asp) box polypeptide 6; DEAD box 6; DEAD box protein 6; DEAD/H (Asp Glu Ala Asp/His) box polypeptide 6 (RNA helicase 54kD); FLJ36338; HLR2; Oncogene RCK; P54; Probable ATP-dependent RNA helicase DDX6; RCK antibody
Form/Format	Antigenic Blocking Peptide
Concentration	Quantity: 250 ug; Volume: 100 ul (lot specific)
Preparation and Storage	-20• degree C for long term storage
Antibody/Peptide Pairs	DDX6 peptide (MBS543581) is used for blocking the activity of DDX6 antibody (MBS540905)
Antibody/Peptide Pairs	DDX6 peptide (MBS543581) is used for blocking the activity of DDX6 antibody (MBS541410)
Antibody/Peptide Pairs	DDX6 peptide (MBS543581) is used for blocking the activity of DDX6 antibody (MBS541411)
Molecular Weight	54,417 Da
OMIM	600326
Immunogen	Synthetic Peptide
Expression	Abundantly expressed in most tissues.
Molecular Function	ATP-binding, Nucleotide-binding, RNA-binding
Structure	Forms a complex with DCP1A, DCP2, EDC3 and EDC4/HEDLS. Interacts with LIMD1, WTIP and AJUBA. Interacts with APOBEC3G in an RNA-dependent manner. Interacts with RC3H1 (By similarity).
Subcellular Location	Cytoplasm; P-body
Applications Tested/Suitable for DDX6 blocking peptide	Immunodepletion, Immunocompetition
Application Notes for DDX6 blocking peptide	Western Blot: 1:500
Related Product Information for DDX6 blocking peptide	Antigenic Blocking Peptide Probable ATP-dependent RNA helicase DDX6 Antibody In the process of mRNA degradation, may play a role in mRNA decapping.
Other Notes	Small volumes of DDX6 blocking peptide 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	MBS543581 is a blocking peptide targeting DDX6. Also known as DDX6 Antibody Antigenic Blocking Peptide.

ADDITIONAL DETAILS

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

NCBI GI #	164664518
NCBI GeneID	1656

NCBI Accession #	NP_004388.2
UniProt Primary Accession #	P26196
UniProt Secondary Accession #	Q5D048
UniProt Related Accession #	P26196
GenBank Nucleotide #	NM_004397.5
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; RNA processing; RNA-binding; Oncoprotein Chromosomal Location of Human Ortholog: 11q23.3 Cellular Component: cytoplasm; cytosol; intracellular membrane-bound organelle; membrane; stress granule Molecular Function: ATP binding; ATP-dependent RNA helicase activity; helicase activity; protein binding; protein domain specific binding; RNA helicase activity Biological Process: cytoplasmic mRNA processing body assembly; negative regulation of neuron differentiation; regulation of translation; RNA secondary structure unwinding; stem cell maintenance; viral RNA genome packaging
Research Articles on DDX6	**1.** DDX6 repression complexes are required for P-body assembly.
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