DDX53 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DDX53, Polyclonal Antibody
Full Product Name	DDX53 Conjugated Antibody
Product Gene Name	anti-DDX53 antibody
Product Synonym Names	CAGE; CT26
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	The antibody detects endogenous levels of total DDX53 protein.
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	71,154 Da
3D Structure	ModBase 3D Structure for Q86TM3
Immunogen	Fusion protein corresponding to residues near the C terminal of human DEAD (Asp-Glu-Ala-Asp) box polypeptide 53
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-DDX53 antibody	Most Applications
Application Notes for anti-DDX53 antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-DDX53 antibody	This intronless gene encodes a protein which contains several domains found in members of the DEAD-box helicase protein family. Other members of this protein family participate in ATP-dependent RNA unwinding.
Other Notes	Small volumes of anti-DDX53 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 DDX53 purchase	MBS9446869 is an antibody targeting DDX53. Also known as DDX53 Conjugated Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DDX53. It may not necessarily be applicable to this product.

NCBI GI #	45709414
NCBI GeneID	168400
NCBI Accession #	BC067878
UniProt Primary Accession #	Q86TM3
UniProt Secondary Accession #	Q0D2N2; Q6NVV4
UniProt Related Accession #	Q86TM3
NCBI Official Full Name	Homo sapiens DEAD (Asp-Glu-Ala-Asp) box polypeptide 53, mRNA
NCBI Official Synonym Full Names	DEAD-box helicase 53
NCBI Official Symbol	DDX53
NCBI Official Synonym Symbols	CAGE; CT26
UniProt Protein Name	Probable ATP-dependent RNA helicase DDX53
UniProt Synonym Protein Names	Cancer-associated gene protein; Cancer/testis antigen 26; CT26; DEAD box protein 53; DEAD box protein CAGE
Protein Family	Probable ATP-dependent RNA helicase
UniProt Gene Name	DDX53
UniProt Synonym Gene Names	CAGE; CT26
NCBI Protein Information	DEAD box protein 53
UniProt Comments for DDX53	DDX53: This intronless gene encodes a protein which contains several domains found in members of the DEAD-box helicase protein family. Other members of this protein family participate in ATP-dependent RNA unwinding. [provided by RefSeq, Sep 2011] Protein type: Cancer Testis Antigen (CTA); EC 3.6.4.13; Helicase Chromosomal Location of Human Ortholog: Xp22.11 Cellular Component: cytoplasm; nucleolus Molecular Function: ATP binding; ATP-dependent RNA helicase activity; RNA binding Biological Process: RNA secondary structure unwinding
Research Articles on DDX53	**1.** CAGE induced the interaction between histone deacetylase 2 (HDAC2) and Snail, which exerted a negative effect on p53 expression in neoplastic cells; CAGE confers drug resistance by regulating expression of p53 through HDAC2.
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