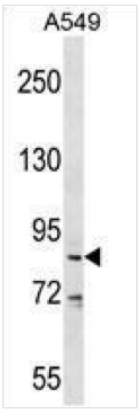
DDX53 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DDX53, Polyclonal Antibody
Full Product Name	DDX53, CT (DDX53, CAGE, Probable ATP-dependent RNA helicase DDX53, Cancer-associated gene protein, Cancer/testis antigen 26, DEAD box protein 53, DEAD box protein CAGE) (MaxLight 550)
Product Gene Name	anti-DDX53 antibody
Product Synonym Names	DDX53; CAGE; Probable ATP-dependent RNA helicase DDX53; Cancer-associated gene protein; Cancer/testis antigen 26; DEAD box protein 53; DEAD box protein CAGE
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight550.
Purity/Purification	Purified by Protein A and Peptide Affinity Chromatography.
Specificity	Recognizes human DDX53.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight550 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	71,154 Da
3D Structure	ModBase 3D Structure for Q86TM3
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 590-619 in the C-terminal region of human DDX53, UniProt Accession #Q86TM3.
Conjugate	MaxLight550
Note	Preservative Free
Product Categories/Family for anti-DDX53 antibody	Antibodies; DEAD Box Proteins
Applications Tested/Suitable for anti-DDX53 antibody	Western Blot (WB), FLISA
Application Notes for anti-DDX53 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-DDX53 antibody	DDX53 belongs to the DEAD box helicase family. It is expressed in testis and shows wide expression in various cancer tissues and cancer cell lines.
Product References and Citations for anti-DDX53 antibody	1. Kim, Y., et al. J. Biol. Chem. 285(34):25957-25968(2010). 2. Pinto, D., et al. Nature 466(7304):368-372(2010). 3. Kim, Y., et al. J. Microbiol. Biotechnol. 18(3):600-610(2008). 4. Lee, T.S., et al. Ann. N. Y. Acad. Sci. 1091, 218-224 (2006). 5. Shim, H., et al. Biotechnol. Lett. 28(24):2057-2063(2006).
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	MBS6291515 is an antibody targeting DDX53. Also known as DDX53, CT (DDX53, CAGE, Probable ATP-dependent RNA helicase DDX53, Cancer-associated gene protein, Cancer/testis antigen 26, DEAD box protein 53, DEAD box protein CAGE) (MaxLight 550). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-DDX53 antibody
Western Blot analysis in A549 cell line lysates (35ug/lane) usingMBS6008594. This demonstrates that MBS6008594 detected the DDX53 protein (arrow).

ADDITIONAL DETAILS

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

NCBI GI #	55749865
NCBI GeneID	168400
NCBI Accession #	NP_874358.2
UniProt Primary Accession #	Q86TM3
UniProt Secondary Accession #	Q0D2N2; Q6NVV4
UniProt Related Accession #	Q86TM3
GenBank Nucleotide #	NM_182699.3
NCBI Official Full Name	DEAD box protein 53
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
NCBI Summary for 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]

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.** DDX53 promotes stem cell-like properties, autophagy, and confers resistance to anti-cancer drugs in breast cancer cells.
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