DDX23 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DDX23, Polyclonal Antibody
Full Product Name	DDX23, ID (DDX23, Probable ATP-dependent RNA helicase DDX23, 100kD U5 snRNP-specific protein, DEAD box protein 23, PRP28 homolog, U5-100kD) (MaxLight 405)
Product Gene Name	anti-DDX23 antibody
Product Synonym Names	DDX23; Probable ATP-dependent RNA helicase DDX23; 100kD U5 snRNP-specific protein; DEAD box protein 23; PRP28 homolog; U5-100kD
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 MaxLight405.
Purity/Purification	Purified by Protein A Affinity Chromatography.
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: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	820
OMIM	612172
3D Structure	ModBase 3D Structure for Q9BUQ8
Immunogen	DDX23 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 255~285 amino acids from the Central region of human DDX23.
Conjugate	MaxLight405
Note	Preservative Free
Product Categories/Family for anti-DDX23 antibody	Antibodies; DEAD Box Proteins
Applications Tested/Suitable for anti-DDX23 antibody	Flow Cytometry (FC/FACS), FLISA, Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-DDX23 antibody	FC/FACS: 1:10-50 FLISA: 1:1,000 IHC: 1:50-100 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-DDX23 antibody	DDX23 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 protein is a component of the U5 snRNP complex; it may facilitate conformational changes in the spliceosome during nuclear pre-mRNA splicing.

Product References and Citations for anti-DDX23 antibody	Mathew, R., et al. Nat. Struct. Mol. Biol. 15(5):435-443(2008). Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007). Olsen, J.V., et al. Cell 127(3):635-648(2006).
Other Notes	Small volumes of anti-DDX23 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 DDX23 purchase	MBS6291403 is an antibody targeting DDX23. Also known as DDX23, ID (DDX23, Probable ATP-dependent RNA helicase DDX23, 100kD U5 snRNP-specific protein, DEAD box protein 23, PRP28 homolog, U5-100kD) (MaxLight 405). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DDX23. It may not necessarily be applicable to this product.

NCBI GI #	160385708
NCBI GeneID	9416
NCBI Accession #	Q9BUQ8.3
UniProt Primary Accession #	Q9BUQ8
UniProt Secondary Accession #	O43188; B2R600; B4DH15
UniProt Related Accession #	Q9BUQ8
NCBI Official Full Name	Probable ATP-dependent RNA helicase DDX23
NCBI Official Synonym Full Names	DEAD (Asp-Glu-Ala-Asp) box polypeptide 23
NCBI Official Symbol	DDX23
NCBI Official Synonym Symbols	prp28; PRPF28; U5-100K; SNRNP100; U5-100KD
UniProt Protein Name	Probable ATP-dependent RNA helicase DDX23
UniProt Synonym Protein Names	100 kDa U5 snRNP-specific protein; DEAD box protein 23; PRP28 homolog; U5-100kD
Protein Family	Probable ATP-dependent RNA helicase
UniProt Gene Name	DDX23
UniProt Entry Name	DDX23_HUMAN
NCBI Protein Information	probable ATP-dependent RNA helicase DDX23; PRP28p homolog; DEAD box protein 23; PRP28 homolog, yeast; U5 snRNP 100 kD protein; 100 kDa U5 snRNP-specific protein
NCBI Summary for DDX23	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 protein encoded by this gene is a component of the U5 snRNP complex; it may facilitate conformational changes in the spliceosome during nuclear pre-mRNA splicing. An alternatively spliced transcript variant has been found for this gene, but its biological validity has not been determined. [provided by RefSeq, Jul 2008]

UniProt Comments for DDX23	DDX23: Involved in pre-mRNA splicing and its phosphorylated form (by SRPK2) is required for spliceosomal B complex formation. Belongs to the DEAD box helicase family. DDX23/PRP28 subfamily. Protein type: Helicase; RNA-binding; RNA processing; RNA splicing; EC 3.6.4.13; Spliceosome Chromosomal Location of Human Ortholog: 12q13.12 Cellular Component: nucleoplasm; mitochondrion; snRNP U5; nucleolus; plasma membrane; nucleus Molecular Function: protein binding; ATP-dependent helicase activity; ATP binding; ATP-dependent RNA helicase activity Biological Process: nuclear mRNA splicing, via spliceosome; RNA splicing, via transesterification reactions; cis assembly of pre-catalytic spliceosome; RNA splicing; gene expression
Research Articles on DDX23	**1.** SRPK2 knock down results in hypophosphorylation of the arginine-serine (RS) domain-containing human PRP28 protein (PRP28, also known as DDX23), and destabilizes PRP28 association with the tri-snRNP.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/ddx23/6291403