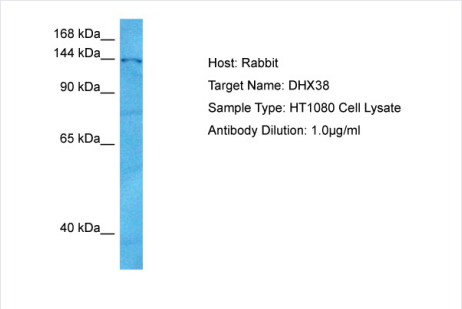
DHX38 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DHX38, Polyclonal Antibody
Full Product Name	DHX38 Antibody - N-terminal region
Product Gene Name	anti-DHX38 antibody
Product Synonym Gene Name	DDX38; PRP16; PRPF16
Immunogen Sequence	Synthetic peptide located within the following region: RERREHGVYA SSKEEKDWKK EKSRDRDYDR KRDRDERDRS RHSSRSERDG
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purity/Purification	Affinity purified
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	DHX38 peptide (MBS3244569) is used for blocking the activity of DHX38 antibody (MBS3219704)
Molecular Weight	134 kDa
OMIM	605584
3D Structure	ModBase 3D Structure for Q92620
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human DHX38
Product Categories/Family for anti-DHX38 antibody	Polyclonal; Cancer; Growth Factors & Hormones; Cell Biology; Developmental Biology; Meiosis/Mitosis/Cell Cycle
Applications Tested/Suitable for anti-DHX38 antibody	Western Blot (WB)
Related Product Information for anti-DHX38 antibody	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 member of the DEAD/H box family of splicing factors. This protein resembles yeast Prp16 more closely than other DEAD/H family members. It is an ATPase and essential for the catalytic step II in pre-mRNA splicing process.
Other Notes	Small volumes of anti-DHX38 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 DHX38 purchase	MBS3219704 is an antibody targeting DHX38. Also known as DHX38 Antibody - N-terminal region. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-DHX38 antibody
Host: RabbitTarget Name: DHX38Sample Tissue: Human HT1080 Whole Cell lysatesAntibody Dilution: 1ug/ml

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DHX38. It may not necessarily be applicable to this product.

NCBI GI #	17999539
NCBI GeneID	9785
NCBI Accession #	NP_054722.2
UniProt Primary Accession #	Q92620
UniProt Related Accession #	Q92620
GenBank Nucleotide #	NM_014003.3
NCBI Official Full Name	pre-mRNA-splicing factor ATP-dependent RNA helicase PRP16
NCBI Official Synonym Full Names	DEAH-box helicase 38
NCBI Official Symbol	DHX38
NCBI Official Synonym Symbols	RP84; DDX38; PRP16; PRPF16
UniProt Protein Name	Pre-mRNA-splicing factor ATP-dependent RNA helicase PRP16
UniProt Synonym Protein Names	ATP-dependent RNA helicase DHX38; DEAH box protein 38
UniProt Gene Name	DHX38
UniProt Synonym Gene Names	DDX38; KIAA0224; PRP16
UniProt Entry Name	PRP16_HUMAN
NCBI Protein Information	pre-mRNA-splicing factor ATP-dependent RNA helicase PRP16
UniProt Comments for DHX38	DHX38: Probable ATP-binding RNA helicase involved in pre-mRNA splicing. Belongs to the DEAD box helicase family. DEAH subfamily. PRP16 sub-subfamily. Protein type: Spliceosome; EC 3.6.4.13; RNA-binding; RNA processing; Helicase; RNA splicing Chromosomal Location of Human Ortholog: 16q22 Cellular Component: nucleoplasm; membrane; cytoplasm; nucleus Molecular Function: protein binding; ATP-dependent RNA helicase activity; ATP binding Biological Process: transcription from RNA polymerase II promoter; nuclear mRNA splicing, via spliceosome; mRNA export from nucleus; RNA splicing; gene expression; mRNA 3'-end processing; termination of RNA polymerase II transcription
Research Articles on DHX38	**1.** DHX38 is the first pre-mRNA splicing gene that is putatively associated with autosomal-recessive inherited retinitis pigmentosa.

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