DNAH2 Antibody (N-Term) Blocking Peptide

PRODUCT OVERVIEW

Product Name	DNAH2, Blocking Peptide
Full Product Name	DNAH2 Antibody (N-term) Blocking Peptide
Product Gene Name	DNAH2 blocking peptide
Product Synonym Gene Name	DNAHC2; DNHD3; KIAA1503
Product Synonym Names	Dynein heavy chain 2; axonemal; Axonemal beta dynein heavy chain 2; Ciliary dynein heavy chain 2; Dynein heavy chain domain-containing protein 3; DNAH2; DNAHC2; DNHD3; KIAA1503
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 1 mg/ml.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	DNAH2 peptide (MBS9221518) is used for blocking the activity of DNAH2 antibody (MBS9208510)
Molecular Weight	99,915 Da
OMIM	603333
Cellular Location	Cytoplasm, cytoskeleton, cilium axoneme
Tissue Location	Expressed primarily in trachea and testis, 2 tissues containing axonemal structures. Also expressed in lung
Related Product Information for DNAH2 blocking peptide	Force generating protein of respiratory cilia. Produces force towards the minus ends of microtubules. Dynein has ATPase activity; the force-producing power stroke is thought to occur on release of ADP. Involved in sperm motility; implicated in sperm flagellar assembly (By similarity).
Other Notes	Small volumes of DNAH2 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 DNAH2 purchase	MBS9221518 is a blocking peptide targeting DNAH2. Also known as DNAH2 Antibody (N-term) Blocking Peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DNAH2. It may not necessarily be applicable to this product.

NCBI GI #	172044680
NCBI GeneID	146754
NCBI Accession #	Q9P225.3
UniProt Primary Accession #	Q9P225
UniProt Secondary Accession #	O15434; Q6PIH3; Q6ZR42; A8K992; B5MDX5
UniProt Related Accession #	Q9P225
NCBI Official Full Name	Dynein heavy chain 2, axonemal
NCBI Official Synonym Full Names	dynein axonemal heavy chain 2
NCBI Official Symbol	DNAH2
NCBI Official Synonym Symbols	DNHD3; DNAHC2

UniProt Protein Name	Dynein heavy chain 2, axonemal
UniProt Synonym Protein Names	Axonemal beta dynein heavy chain 2; Ciliary dynein heavy chain 2; Dynein heavy chain domain-containing protein 3
Protein Family	Dynein
UniProt Gene Name	DNAH2
UniProt Synonym Gene Names	DNAHC2; DNHD3; KIAA1503
UniProt Entry Name	DYH2_HUMAN
NCBI Protein Information	dynein heavy chain 2, axonemal
NCBI Summary for DNAH2	Dyneins are microtubule-associated motor protein complexes composed of several heavy, light, and intermediate chains. The axonemal dyneins, found in cilia and flagella, are components of the outer and inner dynein arms attached to the peripheral microtubule doublets. DNAH2 is an axonemal inner arm dynein heavy chain (Chapelin et al., 1997 [PubMed 9256245]).[supplied by OMIM, Mar 2008]
UniProt Comments for DNAH2	DNAH2: Force generating protein of respiratory cilia. Produces force towards the minus ends of microtubules. Dynein has ATPase activity; the force-producing power stroke is thought to occur on release of ADP. Involved in sperm motility; implicated in sperm flagellar assembly. Belongs to the dynein heavy chain family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 17p13.1
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.
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