DNAH8 Antibody – Goat Polyclonal

PRODUCT OVERVIEW

Product Name	DNAH8, Polyclonal Antibody
Full Product Name	DNAH8 (HDHC9, FLJ36334, FLJ36115, FLJ25850, Dynein, Axonemal, Heavy polypeptide 8, Dynein, Axonemal, Heavy chain 8, ATPase)
Product Gene Name	anti-DNAH8 antibody
Product Synonym Names	Anti -DNAH8 (HDHC9, FLJ36334, FLJ36115, FLJ25850, Dynein, Axonemal, Heavy polypeptide 8, Dynein, Axonemal, Heavy chain 8, ATPase)
Clonality	Polyclonal
Host	Goat
Form/Format	Supplied as a liquid in tris saline, 0.02% sodium azide, pH 7.3, 0.5% BSA.
Purity/Purification	Affinity Purified Purified by immunoaffinity chromatography.
Specificity	Recognizes DNAH8. Species sequence homology: Human, canine, and rabbit.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	514,664 Da
Chromosome Location	Chromosome: 6; NC_000006.11 (38683117..38998574). Location: 6p21.2
OMIM	603337
3D Structure	ModBase 3D Structure for Q96JB1
Immunogen	Synthetic peptide corresponding to C-EGTVKLKTIDN, aa107-117 of DNAH8.
Product Categories/Family for anti-DNAH8 antibody	Antibodies; Abs to Enzymes; ATPase
Application Notes for anti-DNAH8 antibody	Suitable for use in ELISA. Dilution: ELISA: 1:16000
Related Product Information for anti-DNAH8 antibody	MBS6004222 is an antibody targeting DNAH8. Also known as DNAH8 (HDHC9, FLJ36334, FLJ36115, FLJ25850, Dynein, Axonemal, Heavy polypeptide 8, Dynein, Axonemal, Heavy chain 8, ATPase). Host: Goat.
Other Notes	Small volumes of anti-DNAH8 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DNAH8. It may not necessarily be applicable to this product.

NCBI GI #	124007137
NCBI GeneID	1769
NCBI Accession #	Q96JB1.2
UniProt Primary Accession #	Q96JB1

UniProt Secondary Accession #	O00438; Q5JYI2; Q5T2M3; Q5T2M4; Q5TG00; Q9UEM4
UniProt Related Accession #	Q96JB1
NCBI Official Full Name	Dynein heavy chain 8, axonemal
NCBI Official Synonym Full Names	dynein, axonemal, heavy chain 8
NCBI Official Symbol	DNAH8
NCBI Official Synonym Symbols	hdhc9; ATPase
UniProt Protein Name	Dynein heavy chain 8, axonemal
UniProt Synonym Protein Names	Axonemal beta dynein heavy chain 8; Ciliary dynein heavy chain 8
Protein Family	Dynein
UniProt Gene Name	DNAH8
UniProt Entry Name	DYH8_HUMAN
NCBI Protein Information	dynein heavy chain 8, axonemal; ciliary dynein heavy chain 8; axonemal beta dynein heavy chain 8; dynein, axonemal, heavy polypeptide 8
NCBI Summary for DNAH8	The protein encoded by this gene is a heavy chain of an axonemal dynein involved in sperm and respiratory cilia motility. Axonemal dyneins generate force through hydrolysis of ATP and binding to microtubules. [provided by RefSeq, Jan 2012]
UniProt Comments for DNAH8	DNAH8: 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. 4 isoforms of the human protein are produced by alternative splicing. Protein type: Microtubule-binding; Motility/polarity/chemotaxis; Motor Chromosomal Location of Human Ortholog: 6p21.2 Cellular Component: microtubule; axonemal dynein complex Molecular Function: ATPase activity; microtubule motor activity; ATP binding Biological Process: metabolic process; ciliary or flagellar motility; microtubule-based movement
Research Articles on DNAH8	**1.** Observational study of gene-disease association. (HuGE Navigator)
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