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DNAH2 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP16211a

Specification

DNAH2 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q9P225

DNAH2 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 146754

Other 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

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

DNAH2 Antibody (N-term) Blocking Peptide - Protein Information

Name DNAH2 (HGNC:2948)

Synonyms DNAHC2, DNHD3, KIAA1503

Function
As part of the axonemal inner dynein arm complex plays a central role in ciliary beat (PubMed:30811583). Expressed in sperm flagellum, it is required for sperm motility (PubMed:30811583). Dyneins are microtubule-based molecular motors possessing ATPase activities that can convert the chemical energy of ATP into relative sliding between adjacent microtubule doublets to generate ciliary bending (PubMed:30811583).

Cellular Location
Cytoplasm, cytoskeleton, cilium axoneme {ECO:0000250|UniProtKB:P0C6F1}. Cytoplasm, cytoskeleton, flagellum axoneme

Tissue Location
Expressed primarily in trachea and testis, 2 tissues containing axonemal structures. Also

expressed in lung Expressed in spermatozoa (at protein level) (PubMed:31178125)

DNAH2 Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

DNAH2 Antibody (N-term) Blocking Peptide - Images

DNAH2 Antibody (N-term) Blocking Peptide - Background

Dyneins are microtubule-associated motor protein complexescomposed of several heavy, light, and intermediate chains. Theaxonemal dyneins, found in cilia and flagella, are components ofthe outer and inner dynein arms attached to the peripheralmicrotubule doublets. DNAH2 is an axonemal inner arm dynein heavychain (Chapelin et al., 1997 [PubMed 9256245]).

DNAH2 Antibody (N-term) Blocking Peptide - References

Barrett, J.C., et al. Nat. Genet. (2009) In press :Wistow, G., et al. Mol. Vis. 8, 196-204 (2002) :Chapelin, C., et al. FEBS Lett. 412(2):325-330(1997)