

DNAH10 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54344

Specification

DNAH10 Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q8IVF4
Reactivity	Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	515 kDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DNAH10
Epitope Specificity	3561-3700/4471
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm, cytoskeleton, cilium, axoneme.
SIMILARITY	Belongs to the dynein heavy chain family. Contains 5 TPR repeats.
SUBUNIT	Consists of at least two heavy chains and a number of intermediate and light chains.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

bs-11022P is one synthetic peptide derived from human DNAH10. 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. DNAH10 is an inner arm dynein heavy chain (Maiti et al., 2000 [PubMed 11175280]). [supplied by OMIM, Mar 2008]

DNAH10 Polyclonal Antibody - Additional Information

Gene ID 196385

Other Names

Dynein heavy chain 10, axonemal, Axonemal beta dynein heavy chain 10, Ciliary dynein heavy chain 10, DNAH10, KIAA2017

Target/Specificity

Expressed primarily in trachea and testis, 2 tissues containing axonemal structures. Also expressed in brain but not in adult heart.

Dilution

IHC-P~~N/A
IHC-F~~N/A
IF~~1:50~200
ICC~~N/A
E~~N/A

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

DNAH10 Polyclonal Antibody - Protein Information

Name DNAH10

Synonyms KIAA2017

Function

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 (PubMed:34237282). Probable inner arm dynein heavy chain.

Cellular Location

Cytoplasm, cytoskeleton, cilium axoneme

Tissue Location

Expressed primarily in trachea and testis, 2 tissues containing axonemal structures. Also expressed in brain but not in adult heart

DNAH10 Polyclonal Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DNAH10 Polyclonal Antibody - Images