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Rabbit Anti-DNAH10 antibody

SL11022R

Product Name:	DNAH10
Chinese Name:	轴丝动力蛋白10抗体
Alias:	axonemal; Axonemal beta dynein heavy chain 10; Ciliary dynein heavy chain 10; DNAH10; DYH10_HUMAN; Dynein heavy chain 10; KIAA2017.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	515kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human DNAH10:3561-3700/4471
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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]

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 (By similarity). Probable inner arm dynein heavy chain.

Subunit:
Consists of at least two heavy chains and a number of intermediate and light chains.

Subcellular Location:
Cytoplasm. cytoskeleton. cilium axoneme.

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

Similarity:
Belongs to the dynein heavy chain family. Contains 5 TPR repeats.

SWISS:
Q8IVF4

Gene ID:
196385

Database links:

Entrez Gene: 196385 Human

Omim: 605884 Human

SwissProt: Q8IVF4 Human

Unigene: 622654 Human

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.