



DYH2 rabbit pAb

Catalog No	YP-Ab-11078
Isotype	IgG
Reactivity	Human; Mouse
Applications	IHC;IF
Gene Name	DNAH2 DNAHC2 DNHD3 KIAA1503
Immunogen	Synthesized peptide derived from human DYH2 AA range: 329-379
Specificity	This antibody detects endogenous levels of DYH2 at Human/Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	IHC-p 1:50-200. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	DYH2;DNAH2 DNAHC2 DNHD3 KIAA1503
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Cytoplasm, cytoskeleton, cilium axoneme . Cytoplasm, cytoskeleton, flagellum axoneme .
Tissue Specificity	Expressed primarily in trachea and testis, 2 tissues containing axonemal structures. Also expressed in lung. Expressed in spermatozoa (at protein level) (PubMed:31178125).
Function	domain:Dynein heavy chains probably consist of an N-terminal stem (which binds cargo and interacts with other dynein components), and the head or motor domain. The motor contains six tandemly-linked AAA domains in the head, which form a ring. A stalk-like structure (formed by two of the coiled coil domains) protrudes between AAA 4 and AAA 5 and terminates in a microtubule-binding site. A seventh domain may also contribute to this ring; it is not clear whether the N-terminus or the C-terminus forms this extra domain. There are four well-conserved and two non-conserved ATPase sites, one per AAA domain. Probably only one of these (within AAA 1) actually hydrolyzes ATP, the others may serve a regulatory function.,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 though

Background

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],

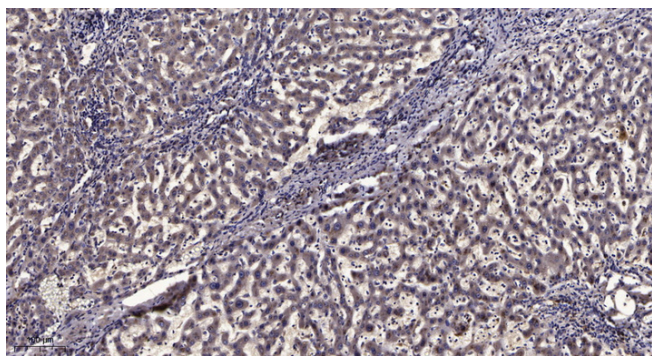
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA, pH9.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200(room temperature, 45min).