

Product datasheet

Anti-DNAH6 antibody ab122333

[2 Images](#)

Overview

Product name	Anti-DNAH6 antibody
Description	Rabbit polyclonal to DNAH6
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, IHC-P
Species reactivity	Reacts with: Human
Immunogen	TKLNTILCQT FVFCYLWSLG GNLTENYDS FDTFIRTQFD DNP DARLPNS GDLWSIH MDF DTKRLDPWER IIPTFKYNRD VP internal sequence amino acids 1983-2064 of Human DNAH6 (Q9C0G6). Run BLAST with ExPASy Run BLAST with NCBI
Positive control	Human fallopian tube tissue.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 59% PBS, 40% Glycerol
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab122333** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

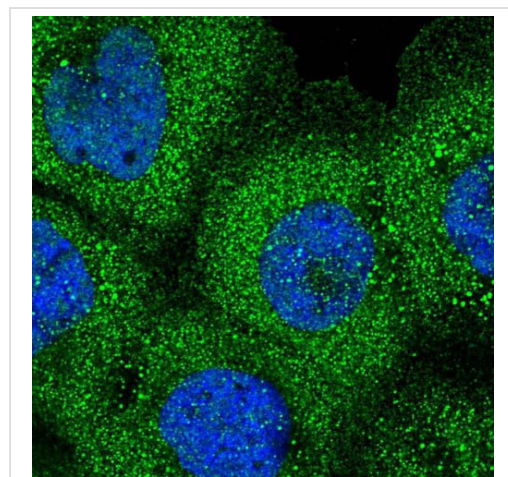
Application	Abreviews	Notes
ICC/IF		Use a concentration of 1 - 4 µg/ml. Recommend PFA Fixation and Triton X-100 treatment

Application	Abreviews	Notes
IHC-P		1/850. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

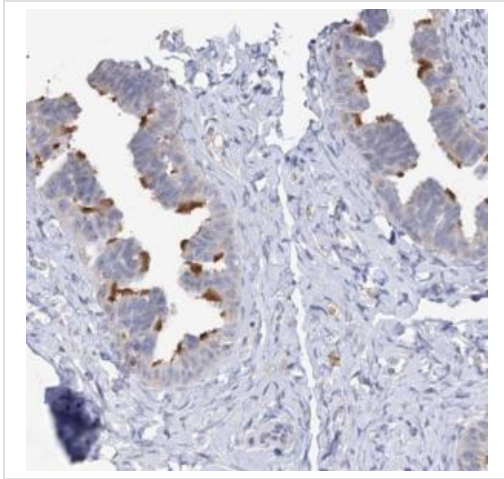
Function	Force generating protein of respiratory cilia. Produces force towards the minus ends of microtubules. Dynein has ATPase activity; the force-producing power stroke is thought to occur on release of ADP.
Tissue specificity	Detected in brain, testis and trachea.
Sequence similarities	Belongs to the dynein heavy chain family.
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.
Cellular localization	Cytoplasm > cytoskeleton > cilium axoneme.

Images



Immunofluorescent staining of Human cell line A-431 shows positivity in nucleus but not nucleoli, plasma membrane and cytoplasm. Recommended concentration of ab122333 1-4 µg/ml. Cells treated with PFA/Triton X-100.

Immunocytochemistry/ Immunofluorescence - Anti-DNAH6 antibody (ab122333)



ab122333, at a 1/850 dilution, staining DNAH6 in glandular cells of paraffin-embedded Human fallopian tube tissue by immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DNAH6 antibody (ab122333)

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