

## Product datasheet

# Anti-DNAH6 antibody ab122333

[2 Images](#)

### Overview

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

### Properties

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

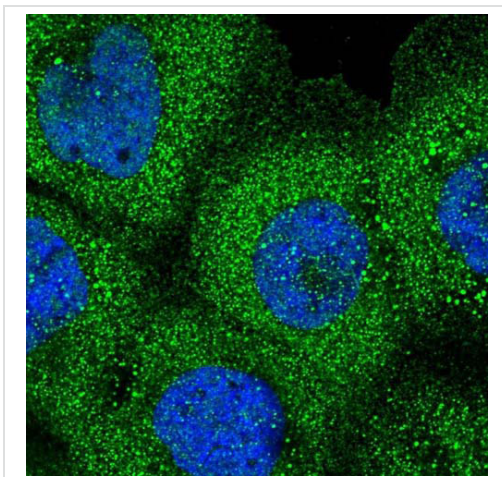
Application	Abreviews	Notes
ICC/IF		Use a concentration of 1 - 4 µg/ml. Recommend PFA Fixation and Triton X-100 treatment

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

## Target

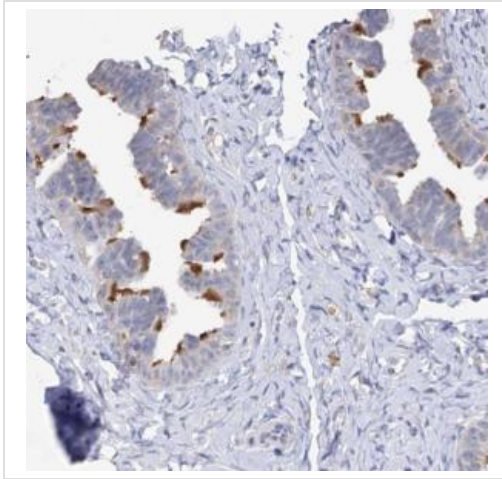
<b>Function</b>	Force generating protein of respiratory cilia. Produces force towards the minus ends of microtubules. Dynein has ATPase activity; the force-producing power stroke is thought to occur on release of ADP.
<b>Tissue specificity</b>	Detected in brain, testis and trachea.
<b>Sequence similarities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