

# DNAH10 Rabbit pAb

DNAH10 Rabbit pAb

Catalog # AP54344

## Product Information

---

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>             | IHC-P, IHC-F, IF                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Primary Accession</b>       | <a href="#">Q8IVF4</a>                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Predicted</b>               | Rat, Human, Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Host</b>                    | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Clonality</b>               | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Calculated MW</b>           | 514841                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Physical State</b>          | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Immunogen</b>               | KLH conjugated synthetic peptide derived from human DNAH10                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Epitope Specificity</b>     | 3561-3700/4471                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Isotype</b>                 | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Purity</b>                  | affinity purified by Protein A                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Buffer</b>                  | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>SUBCELLULAR LOCATION</b>    | Cytoplasm. cytoskeleton. cilium axoneme.                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Important Note</b>          | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.                                                                                                                                                                                                                                                                                                                               |
| <b>Background Descriptions</b> | 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] |

## Additional Information

---

|                    |                                                                                                                                                                                                 |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>     | 196385                                                                                                                                                                                          |
| <b>Other Names</b> | Dynein axonemal heavy chain 10, Axonemal beta dynein heavy chain 10, Ciliary dynein heavy chain 10, DNAH10, KIAA2017                                                                            |
| <b>Dilution</b>    | IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500<br>0-10000                                                                                                            |
| <b>Storage</b>     | 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. |

## Protein Information

---

|             |        |
|-------------|--------|
| <b>Name</b> | DNAH10 |
|-------------|--------|

|                          |                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b>          | KIAA2017                                                                                                                                                                                                                                                                                                                                                 |
| <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. Involved in sperm motility; implicated in sperm flagellar assembly (PubMed: <a href="#">34237282</a> ). Probable inner arm dynein heavy chain. |
| <b>Cellular Location</b> | Cytoplasm, cytoskeleton, cilium axoneme                                                                                                                                                                                                                                                                                                                  |
| <b>Tissue Location</b>   | Expressed primarily in trachea and testis, 2 tissues containing axonemal structures. Also expressed in brain but not in adult heart                                                                                                                                                                                                                      |

## Background

---

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.