

# DNAH7 Rabbit pAb

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Catalog # AP54345

## Product Information

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| <b>Application</b>             | IHC-P, IHC-F, IF                                                                                                                     |
| <b>Primary Accession</b>       | <a href="#">Q8WXX0</a>                                                                                                               |
| <b>Predicted</b>               | Rat, Pig, Dog, Human, Mouse, Rabbit, Chicken, Horse, Sheep                                                                           |
| <b>Host</b>                    | Rabbit                                                                                                                               |
| <b>Clonality</b>               | Polyclonal                                                                                                                           |
| <b>Calculated MW</b>           | 461159                                                                                                                               |
| <b>Physical State</b>          | Liquid                                                                                                                               |
| <b>Immunogen</b>               | KLH conjugated synthetic peptide derived from human DNAH7                                                                            |
| <b>Epitope Specificity</b>     | 2301-2400/4024                                                                                                                       |
| <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> | DNAH7 is a component of the inner dynein arm of ciliary axonemes (Zhang et al., 2002 [PubMed 11877439]).[supplied by OMIM, Mar 2008] |

## Additional Information

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|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>     | 56171                                                                                                                                                                                           |
| <b>Other Names</b> | Dynein axonemal heavy chain 7, Axonemal beta dynein heavy chain 7, Ciliary dynein heavy chain 7, Dynein heavy chain-like protein 2, hDHC2, DNAH7, KIAA0944                                      |
| <b>Dilution</b>    | IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000                                                                                                                |
| <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

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|-----------------|----------|
| <b>Name</b>     | DNAH7    |
| <b>Synonyms</b> | KIAA0944 |

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|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Function</b>          | Force generating protein that plays an important role in respiratory cilia and sperm flagella beating (PubMed: <a href="#">34476482</a> ). 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 (By similarity). |
| <b>Cellular Location</b> | Cytoplasm, cytoskeleton, cilium axoneme. Cell projection, cilium, flagellum                                                                                                                                                                                                                                           |
| <b>Tissue Location</b>   | Detected in brain, testis and trachea. Detected in bronchial cells (at protein level).                                                                                                                                                                                                                                |

## Background

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