

DNAH6 Rabbit pAb

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Catalog # AP55540

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9C0G6
Reactivity	Rat
Predicted	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	475983
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DNAH6
Epitope Specificity	251-400/4158
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm; cytoskeleton; cilium axoneme.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Dyneins are microtubule-associated motor protein complexes composed of several heavy, light, and intermediate chains. Two major classes of dyneins, axonemal and cytoplasmic, have been identified. DNAH6 is an axonemal dynein heavy chain (DHC) (Vaughan et al., 1996 [PubMed 8812413]).[supplied by OMIM, Mar 2008]

Additional Information

Gene ID	1768
Other Names	Dynein axonemal heavy chain 6, Axonemal beta dynein heavy chain 6, Ciliary dynein heavy chain 6, DNAH6 (HGNC:2951)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	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

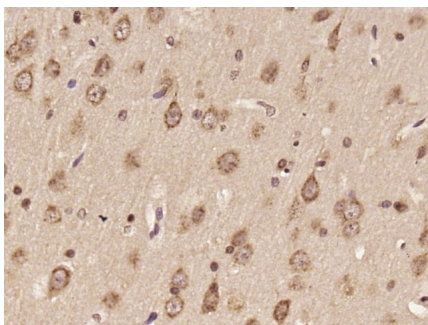
Name	DNAH6 (HGNC:2951)
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Function	Force generating protein of respiratory cilia. Produces force towards the minus ends of microtubules. Dynein has ATPase activity; the force-producing power stroke is thought to occur on release of ADP (By similarity).
Cellular Location	Cytoplasm, cytoskeleton, cilium axoneme. Cell projection, cilium, flagellum
Tissue Location	Expressed in several tissues, including brain, pituitary, testis and trachea, with highest levels in testis

Background

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Images



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (DNAH6) Polyclonal Antibody, Unconjugated (AP55540) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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