

DNAH2 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16211a

Specification

DNAH2 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O9P225
Other Accession	NP_065928.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	440-468

DNAH2 Antibody (N-term) - Additional Information

Gene ID 146754

Other Names

Dynein heavy chain 2, axonemal, Axonemal beta dynein heavy chain 2, Ciliary dynein heavy chain 2, Dynein heavy chain domain-containing protein 3, DNAH2, DNAHC2, DNHD3, KIAA1503

Target/Specificity

This DNAH2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 440-468 amino acids from the N-terminal region of human DNAH2.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

DNAH2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

DNAH2 Antibody (N-term) - Protein Information

Name DNAH2 ([HGNC:2948](#))

Synonyms DNAHC2, DNHD3, KIAA1503

Function As part of the axonemal inner dynein arm complex plays a central role in ciliary beat (PubMed:[30811583](#)). Expressed in sperm flagellum, it is required for sperm motility (PubMed:[30811583](#)). Dyneins are microtubule-based molecular motors possessing ATPase activities that can convert the chemical energy of ATP into relative sliding between adjacent microtubule doublets to generate ciliary bending (PubMed:[30811583](#)).

Cellular Location

Cytoplasm, cytoskeleton, cilium axoneme {ECO:0000250|UniProtKB:P0C6F1}. Cytoplasm, cytoskeleton, flagellum axoneme

Tissue Location

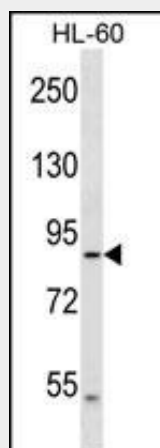
Expressed primarily in trachea and testis, 2 tissues containing axonemal structures. Also expressed in lung Expressed in spermatozoa (at protein level) (PubMed:31178125)

DNAH2 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DNAH2 Antibody (N-term) - Images



DNAH2 Antibody (N-term) (Cat. #AP16211a) western blot analysis in HL-60 cell line lysates (35ug/lane). This demonstrates the DNAH2 antibody detected the DNAH2 protein (arrow).

DNAH2 Antibody (N-term) - Background

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. DNAH2 is an axonemal inner arm dynein heavy chain (Chapelin et al., 1997 [PubMed 9256245]).

DNAH2 Antibody (N-term) - References

Barrett, J.C., et al. Nat. Genet. (2009) In press :
Wistow, G., et al. Mol. Vis. 8, 196-204 (2002) :
Chapelin, C., et al. FEBS Lett. 412(2):325-330(1997)