

DNAI2 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20171b**Specification**

DNAI2 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	O9GZS0
Other Accession	NP_075462.3
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	68821
Antigen Region	484-513

DNAI2 Antibody (C-term) - Additional Information**Gene ID** 64446**Other Names**

Dynein intermediate chain 2, axonemal, Axonemal dynein intermediate chain 2, DNAI2

Target/Specificity

This DNAI2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 484-513 amino acids from the C-terminal region of human DNAI2.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

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

DNAI2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

DNAI2 Antibody (C-term) - Protein Information**Name** DNAI2 ([HGNC:18744](#))**Function** Component of dynein, a family of motor proteins essential for movement along

microtubules (By similarity). Required for structural and functional integrity of cilia (By similarity). Part of the dynein complex of respiratory cilia.

Cellular Location

Cytoplasm, cytoskeleton, cilium axoneme. Dynein axonemal particle {ECO:0000250|UniProtKB:Q4QR00}. Note=Located in the proximal region of respiratory cilia.

Tissue Location

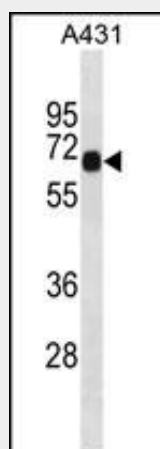
Highly expressed in trachea and testis. Expressed in respiratory ciliated cells (at protein level) (PubMed:33139725)

DNAI2 Antibody (C-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](#)

DNAI2 Antibody (C-term) - Images



DNAI2 Antibody (C-term) (Cat. #AP20171b) western blot analysis in A431 cell line lysates (35ug/lane). This demonstrates the DNAI2 antibody detected the DNAI2 protein (arrow).

DNAI2 Antibody (C-term) - Background

The protein encoded by this gene belongs to the dynein intermediate chain family, and is part of the dynein complex of respiratory cilia and sperm flagella. Mutations in this gene are associated with primary ciliary dyskinesia type 9. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene.

DNAI2 Antibody (C-term) - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Loges, N.T., et al. Am. J. Hum. Genet. 83(5):547-558(2008)
Pennarun, G., et al. Hum. Genet. 107(6):642-649(2000)