

DNAI2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP20171b

Product Information

| | |
|--------------------------|-----------------------------|
| Application | WB, E |
| Primary Accession | Q9GZS0 |
| Other Accession | NP_075462.3 |
| Reactivity | Human |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | Rabbit IgG |
| Clone Names | RB41653 |
| Calculated MW | 68821 |
| Antigen Region | 484-513 |

Additional Information

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|---------------------------|--|
| 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. |

Protein Information

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|--------------------------|---|
| Name | DNAI2 (HGNC:18744) |
| Function | 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)

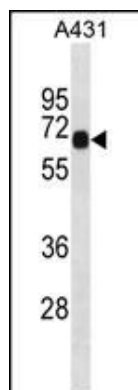
Background

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.

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)

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).

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