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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
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB41653
Calculated MW	68821
Antigen Region	484-513

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.

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)

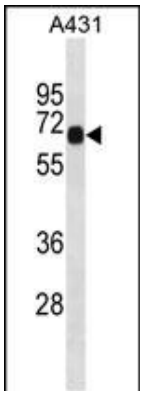
Background

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'.