

DNAI1 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16763a**Specification**

DNAI1 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	Q9UI46
Other Accession	Q5XIL8 , Q8C0M8 , Q32KS2 , NP_036276.1
Reactivity	Human
Predicted	Bovine, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	79283
Antigen Region	92-120

DNAI1 Antibody (N-term) - Additional Information**Gene ID** 27019**Other Names**

Dynein intermediate chain 1, axonemal, Axonemal dynein intermediate chain 1, DNAI1

Target/Specificity

This DNAI1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 92-120 amino acids from the N-terminal region of human DNAI1.

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

DNAI1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

DNAI1 Antibody (N-term) - Protein Information**Name** DNAI1

Function Part of the dynein complex of respiratory cilia.

Cellular Location

Dynein axonemal particle. Cytoplasm, cytoskeleton, cilium axoneme

Tissue Location

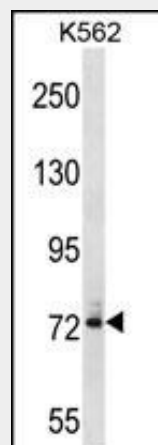
Expressed in respiratory ciliated cells (at protein level).

DNAI1 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](#)

DNAI1 Antibody (N-term) - Images



DNAI1 Antibody (N-term) (Cat. #AP16763a) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the DNAI1 antibody detected the DNAI1 protein (arrow).

DNAI1 Antibody (N-term) - Background

The inner- and outer-arm dyneins, which bridge between the doublet microtubules in axonemes, are the force-generating proteins responsible for the sliding movement in axonemes. The intermediate and light chains, thought to form the base of the dynein arm, help mediate attachment and may also participate in regulating dynein activity. This gene encodes an intermediate chain dynein, belonging to the large family of motor proteins. Mutations in this gene result in abnormal ciliary ultrastructure and function associated with primary ciliary dyskinesia (PCD) and Kartagener syndrome.

DNAI1 Antibody (N-term) - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Leigh, M.W., et al. Curr. Opin. Pediatr. 21(3):320-325(2009)
Zuccarello, D., et al. Hum. Reprod. 23(8):1957-1962(2008)
Faily, M., et al. Respiration 76(2):198-204(2008)
Zariwala, M.A., et al. Am. J. Respir. Crit. Care Med. 174(8):858-866(2006)