

DNAL1 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51167**Specification**

DNAL1 Antibody - Product Information

Application	WB, IP, IHC-P, E
Primary Accession	Q4LDG9
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	22 KDa

DNAL1 Antibody - Additional Information**Gene ID** 83544**Other Names**

Dynein light chain 1, axonemal, DNAL1, C14orf168

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

DNAL1 Antibody - Protein Information**Name** DNAL1 ([HGNC:23247](#))**Synonyms** C14orf168**Function**

Part of the multisubunit axonemal ATPase complexes that generate the force for cilia motility and govern beat frequency (By similarity). Component of the outer arm dynein (ODA). May be involved in a mechanosensory feedback mechanism controlling ODA activity based on external conformational cues by tethering the outer arm dynein heavy chain (DNAH5) to the microtubule within the axoneme (By similarity). Important for ciliary function in the airways and for the function of the cilia that produce the nodal flow essential for the determination of the left-right asymmetry (PubMed: <http://www.uniprot.org/citations/21496787> target="_blank">21496787).

Cellular Location

Cytoplasm, cytoskeleton, cilium axoneme

Tissue Location

Expressed in tissues carrying motile cilia such as respiratory epithelia, ependyma and testis

DNAL1 Antibody - 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](#)

DNAL1 Antibody - Images**DNAL1 Antibody - References**

Horvath J.,et al.Am. J. Respir. Cell Mol. Biol. 33:41-47(2005).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Heilig R.,et al.Nature 421:601-607(2003).
Van Damme P.,et al.Proc. Natl. Acad. Sci. U.S.A. 109:12449-12454(2012).