

DNAL1 Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS13520**Specification**

DNAL1 Antibody (C-Terminus) - Product Information

Application	ICC, WB, IHC
Primary Accession	Q4LDG9
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	22kDa KDa

DNAL1 Antibody (C-Terminus) - Additional Information**Gene ID** 83544**Other Names**

Dynein light chain 1, axonemal, DNAL1, C14orf168

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

DNAL1 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

DNAL1 Antibody (C-Terminus) - 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:21496787).

Cellular Location

Cytoplasm, cytoskeleton, cilium axoneme

Tissue Location

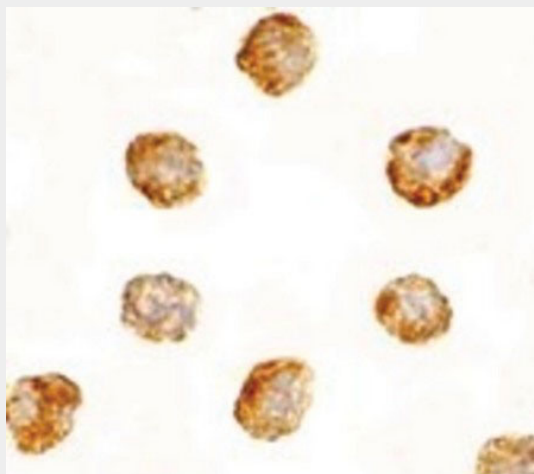
Expressed in tissues carrying motile cilia such as respiratory epithelia, ependyma and testis

DNAL1 Antibody (C-Terminus) - Protocols

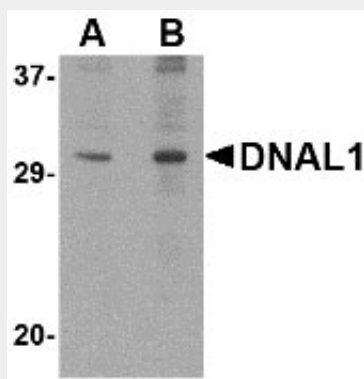
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

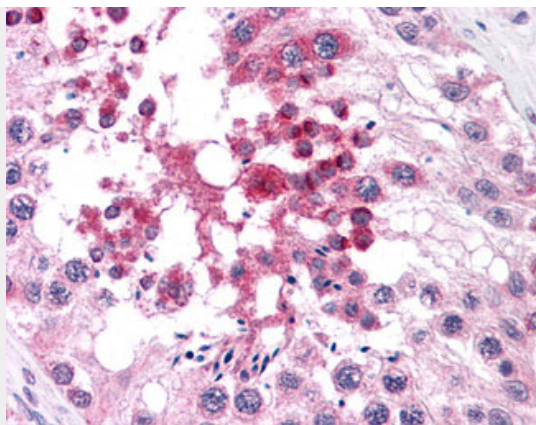
DNAL1 Antibody (C-Terminus) - Images



Immunocytochemistry of DNAL1 in 3T3 cells with DNAL1 antibody at 2.5 ug/ml.



Western blot of DNAL1 in 3T3 cell lysate with DNAL1 antibody at (A) 1 and (B) 2 ug/ml.



Anti-DNAL1 antibody IHC of human testis.

DNAL1 Antibody (C-Terminus) - 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).