

Dynein LC 1 Polyclonal Antibody

Catalog # AP69614

Specification

Dynein LC 1 Polyclonal Antibody - Product Information

Application	WB
Primary Accession	Q4LDG9
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal

Dynein LC 1 Polyclonal Antibody - Additional Information

Gene ID 83544

Other Names

DNAL1; C14orf168; Dynein light chain 1; axonemal

Dilution

WB~~Western Blot: 1/500 - 1/2000.
Immunohistochemistry: 1/100 - 1/300.
ELISA: 1/40000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Storage Conditions

-20°C

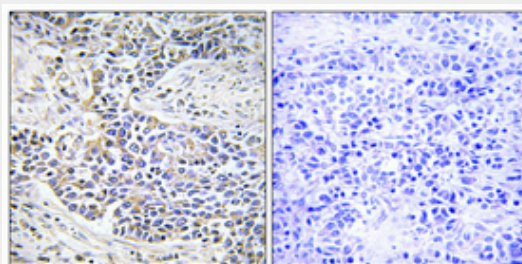
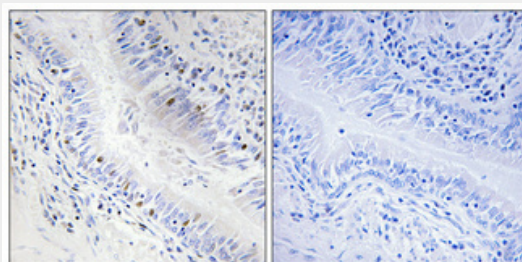
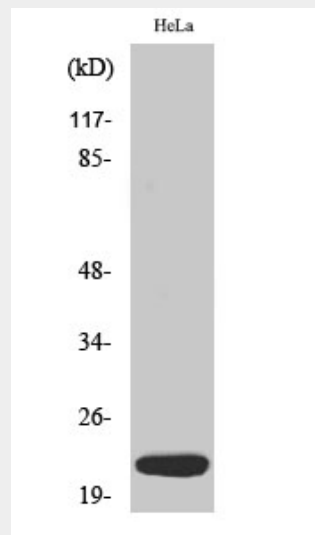
Dynein LC 1 Polyclonal Antibody - Protein Information

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:21496787).

Cellular Location

Cytoplasm, cytoskeleton, cilium axoneme

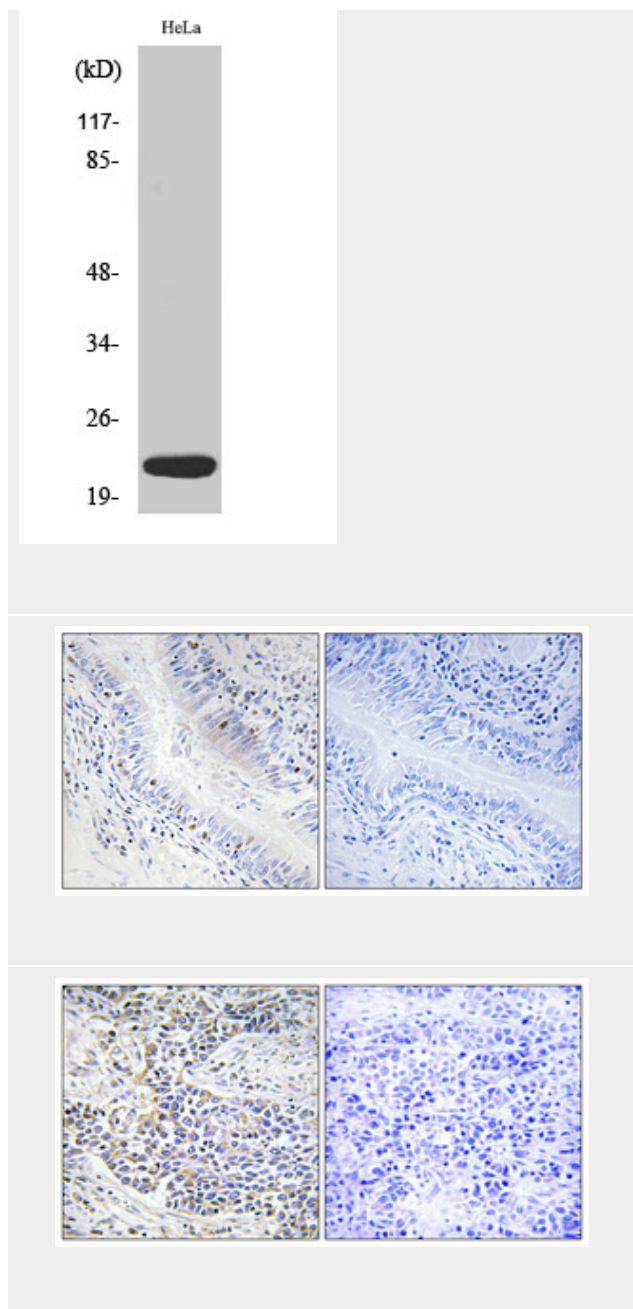
Tissue Location

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

Dynein LC 1 Polyclonal 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](#)



Dynein LC 1 Polyclonal Antibody - Background

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

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