

**Dynein LC 1 Polyclonal Antibody**  
**Catalog # AP69614****Specification**

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**Dynein LC 1 Polyclonal Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB                     |
| Primary Accession | <a href="#">Q4LDG9</a> |
| 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 0.09% (W/V) 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:<a href="http://www.uniprot.org/citations/21496787" target="\_blank">21496787</a>).

**Cellular Location**

Cytoplasm, cytoskeleton, cilium axoneme

**Tissue Location**

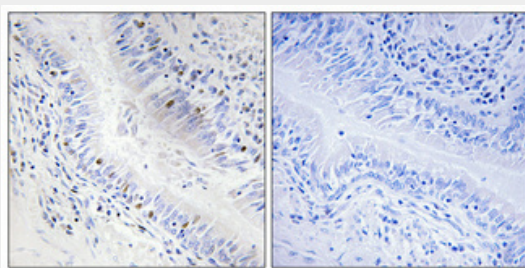
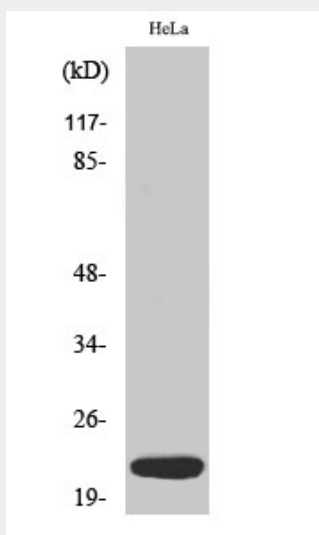
Expressed in tissues carrying motile cilia such as respiratory epithelia, ependyma and testis

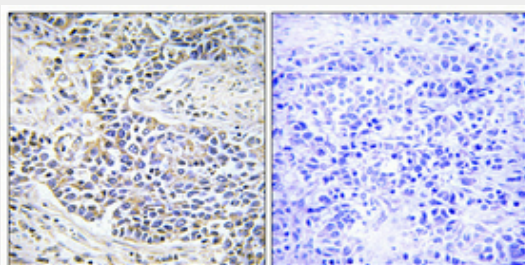
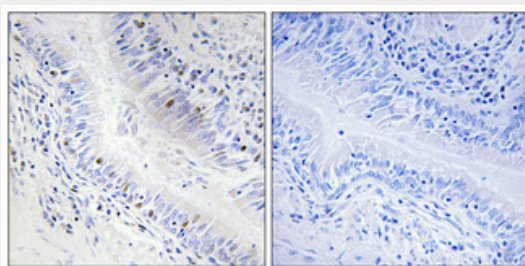
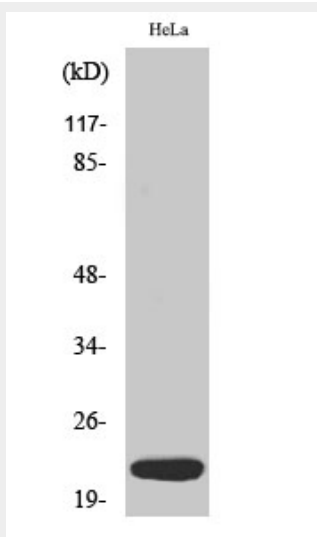
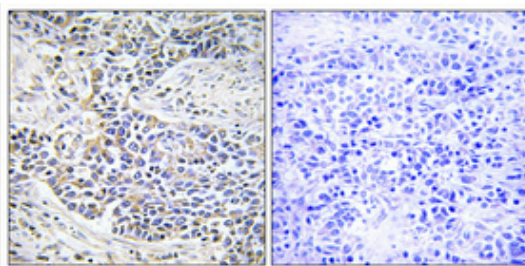
### Dynein LC 1 Polyclonal Antibody - Protocols

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 - Images





### 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 the cilia that produce the nodal flow essential for the determination of the left-right asymmetry (PubMed:21496787).