

**DNAL4 Antibody**  
**Purified Mouse Monoclonal Antibody**  
**Catalog # AO2306a****Specification****DNAL4 Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | E, WB, FC              |
| Primary Accession | <a href="#">O96015</a> |
| Reactivity        | Human                  |
| Host              | Mouse                  |
| Clonality         | Monoclonal             |
| Isotype           | IgG1                   |
| Calculated MW     | 12kDa KDa              |

**Description**

DNAL4 is a component of the dynein motor complex

**Immunogen**

Purified recombinant fragment of human DNAL4 (AA: 1-105) expressed in E. Coli.

**Formulation**

Ascitic fluid containing 0.03% sodium azide.

**DNAL4 Antibody - Additional Information**

**Gene ID** 10126

**Other Names**

Dynein light chain 4, axonemal, DNAL4

**Dilution**

E~~1/10000

WB~~1/500 - 1/2000

FC~~1/200 - 1/400

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

DNAL4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**DNAL4 Antibody - Protein Information**

**Name** DNAL4

**Function**

Force generating protein of respiratory cilia. Produces force towards the minus ends of

microtubules. Dynein has ATPase activity (By similarity).

### Cellular Location

Cytoplasm, cytoskeleton, cilium axoneme

### DNAL4 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](#)

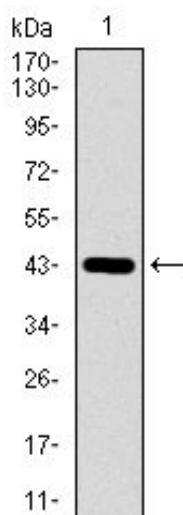
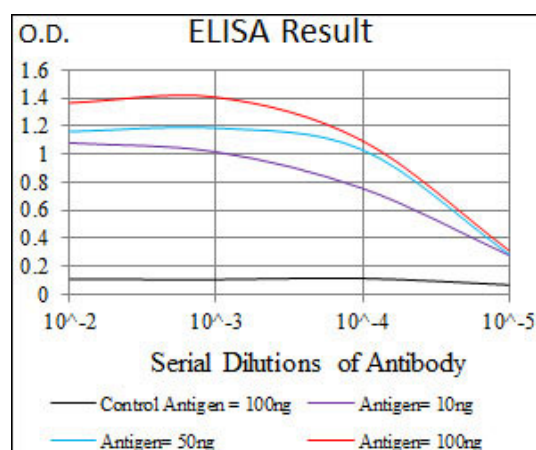


Figure 1: Western blot analysis using DNAL4 mAb against human DNAL4 recombinant protein. (Expected MW is 44.7 kDa)

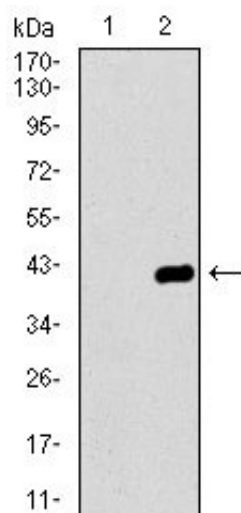


Figure 2: Western blot analysis using DNAL4 mAb against HEK293 (1) and DNAL4 (AA: 1-105)-hIgGFc transfected HEK293 (2) cell lysate.

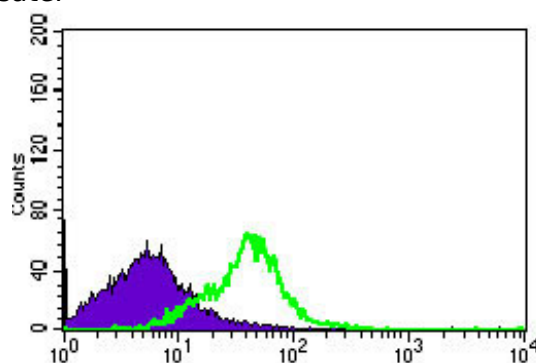


Figure 5: Flow cytometric analysis of HEK293 cells using DNAL4 mouse mAb (green) and negative control (purple).

#### DNAL4 Antibody - References

1. J Neurosci. 2001 Feb 1;21(3):RC125.