

DNAL4 Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO2305a**Specification**

DNAL4 Antibody - Product Information

Application	E, WB, FC
Primary Accession	O96015
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

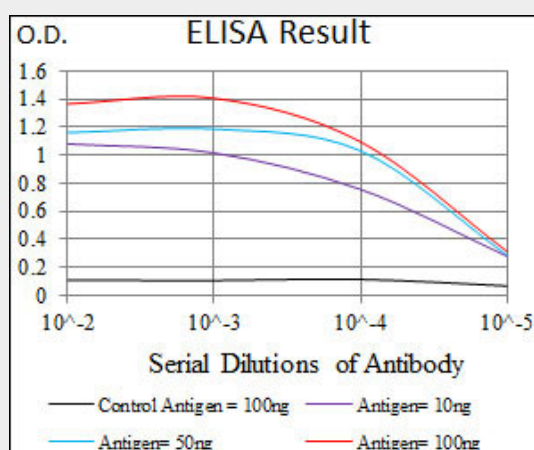
Cytoplasm, cytoskeleton, cilium axoneme

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](#)

DNAL4 Antibody - Images



Black line: Control Antigen (100 ng);Purple line: Antigen(10ng);Blue line: Antigen (50 ng);Red line: Antigen (100 ng);

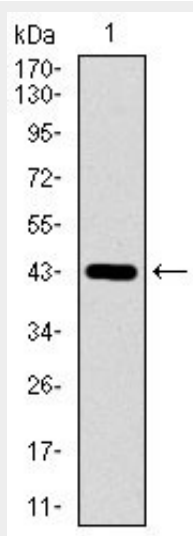


Figure 1: Western blot analysis using DNAL4 mAb against human DNAL4 recombinant protein. (Expected MW is 44.7 kDa)

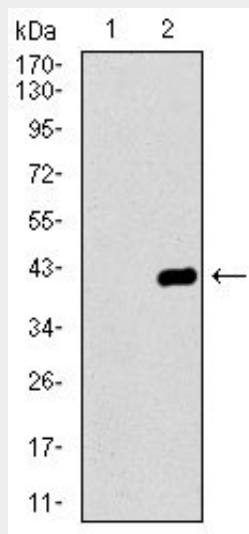


Figure 2: Western blot analysis using DNAL4 mAb against HEK293 (1) and DNAL4 (AA: 1-105)-hlgGfC transfected HEK293 (2) cell lysate.

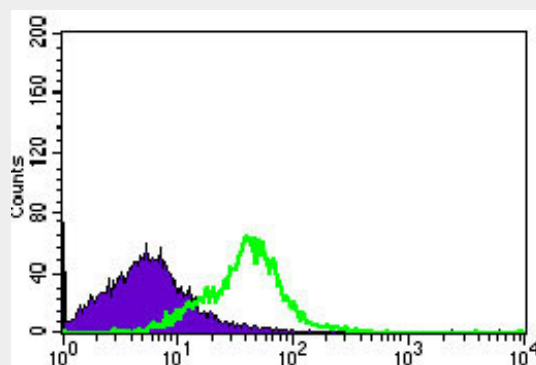


Figure 5: Flow cytometric analysis of HEK293 cells using DNAL4 mouse mAb (green) and negative control (purple).

DNAL4 Antibody - References

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