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DNAL4 Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO2307a

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
Purified antibody in PBS with 0.05% 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

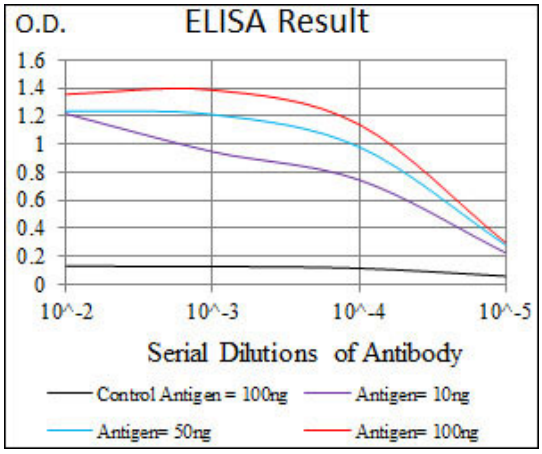
microtubules. Dynein has ATPase activity (By similarity).

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 Cytomety
- Cell Culture



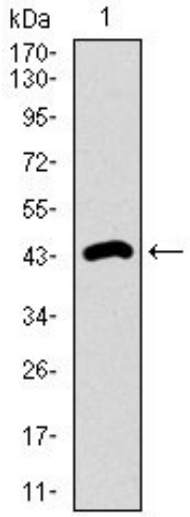


Figure 1: Western blot analysis using DNAL4 mAb against human DNAL4 recombinant protein. (Expected MW is 44.7 kDa)

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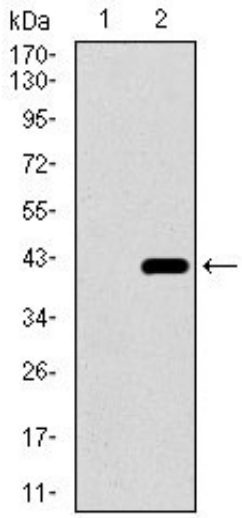


Figure 2: Western blot analysis using DNAL4 mAb against HEK293 (1) and DNAL4 (AA: 1-105)-hIgGFc transfected HEK293 (2) cell lysate.

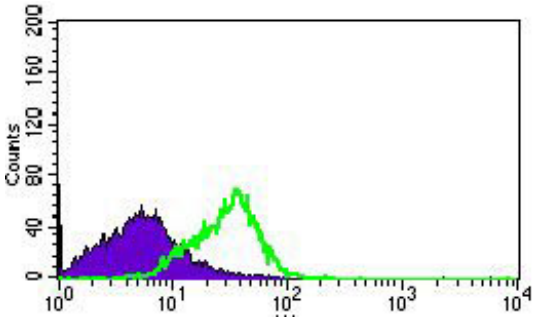


Figure 5: Flow cytometric analysis of HEK293 cells using DNAL4 mouse mAb (green) and negative control (purple).

DNAL4 Antibody - References

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