10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ARFGAP1
Purified Mouse Monoclonal Antibody
Catalog # AO2514a

Specification

ARFGAP1 - Product Information

Application	**E, WB, FCM**
Primary Accession	Q8N6T3
Reactivity	**Human, Mouse**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**Mouse IgG2b**
Calculated MW	**44.7kDa KDa**

Immunogen
Purified recombinant fragment of human ARFGAP1 (AA: 270-414) expressed in E. Coli.

Formulation
Purified antibody in PBS with 0.05% sodium azide

ARFGAP1 - Additional Information

Gene ID 55738

Other Names
ARF1GAP; HRIHFB2281

Dilution
E~~ 1/10000
WB~~ 1/500 - 1/2000
FCM~~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
ARFGAP1 is for research use only and not for use in diagnostic or therapeutic procedures.

ARFGAP1 - Protein Information

Name ARFGAP1

Synonyms ARF1GAP

Function
GTPase-activating protein (GAP) for the ADP ribosylation factor 1 (ARF1). Involved in membrane trafficking and /or vesicle transport. Promotes hydrolysis of the ARF1-bound GTP and thus, is

required for the dissociation of coat proteins from Golgi-derived membranes and vesicles, a prerequisite for vesicle's fusion with target compartment. Probably regulates ARF1-mediated transport via its interaction with the KDELR proteins and TMED2. Overexpression induces the redistribution of the entire Golgi complex to the endoplasmic reticulum, as when ARF1 is deactivated. Its activity is stimulated by phosphoinosides and inhibited by phosphatidylcholine (By similarity).

Cellular Location
Cytoplasm. Golgi apparatus. Note=Associates with the Golgi complex.

ARFGAP1 - 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

ARFGAP1 - Images

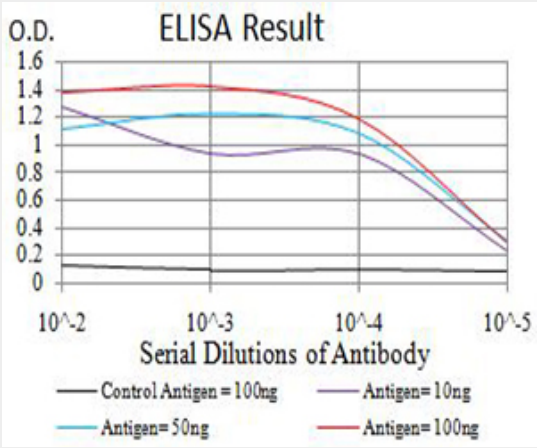


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

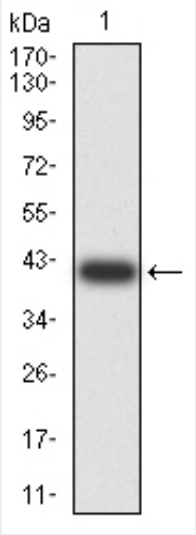


Figure 2:Western blot analysis using ARFGAP1 mAb against human ARFGAP1 (AA: 270-414) recombinant protein. (Expected MW is 41.5 kDa)

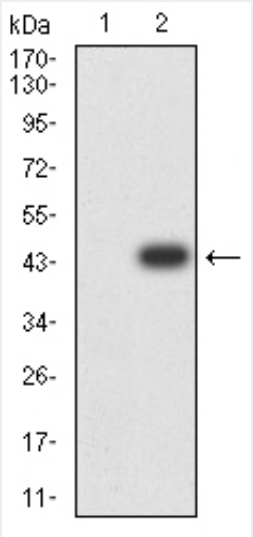
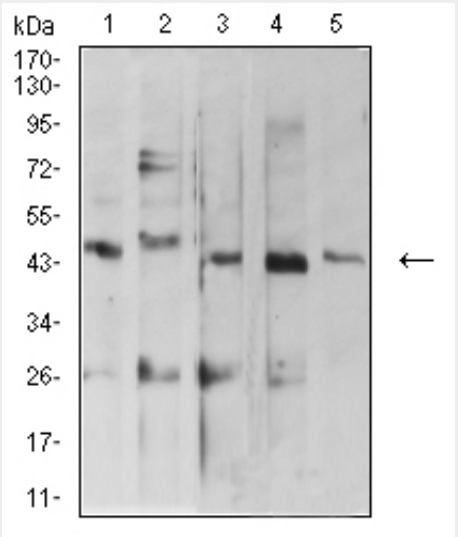


Figure 3:Western blot analysis using ARFGAP1 mAb against HEK293 (1) and ARFGAP1 (AA: 270-414)-hIgGFc transfected HEK293 (2) cell lysate.



10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Figure 4:Western blot analysis using ARFGAP1 mouse mAb against MOLT4 (1), C2C12 (2), HepG2 (3), MCF-7 (4), and Lncap (5) cell lysate.

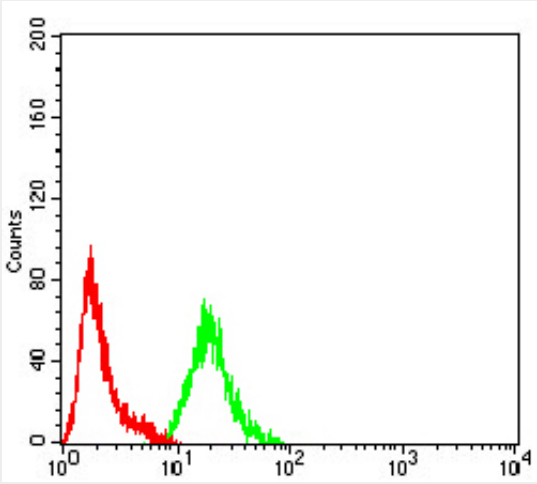


Figure 5:Flow cytometric analysis of HepG2 cells using ARFGAP1 mouse mAb (green) and negative control (red).

ARFGAP1 - References

1.PLoS One. 2014 Nov 14;9(11):e111309. 2.Methods Enzymol. 2001;329:307-16.