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

Product Information

Application	WB, IHC, ICC, E
Primary Accession	Q8N6T3
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Clone Names	1C4E2
Isotype	Mouse IgG2b
Calculated MW	44668
Immunogen	Purified recombinant fragment of human ARFGAP1 (AA: 270-414) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

Additional Information

Gene ID	55738
Other Names	ARF1GAP; HRIHFB2281
Dilution	WB~~ 1/500 - 1/2000 IHC~~1:100~500 ICC~~N/A E~~ 1/10000
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.

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.

Cellular Location

Golgi apparatus {ECO:0000250|UniProtKB:Q62848}. Cytoplasm {ECO:0000250|UniProtKB:Q62848}. Note=Associates with the Golgi complex. {ECO:0000250|UniProtKB:Q62848}

References

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

Images

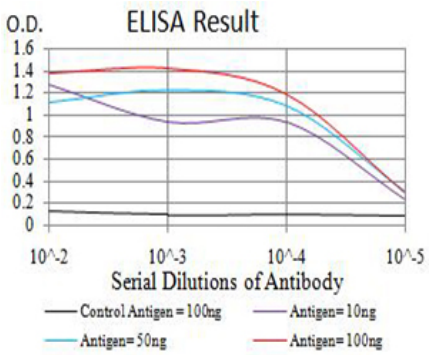


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

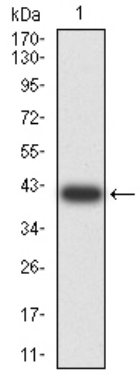


Figure 2:Western blot analysis using ARFGAP1 mAb against human ARFGAP1 (AA: 270-414) recombinant protein. (Expected MW is 41.5 kDa)

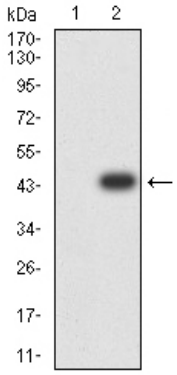
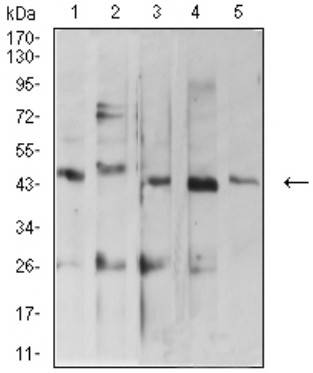


Figure 3:Western blot analysis using ARFGAP1 mAb against HEK293 (1) and ARFGAP1 (AA: 270-414)-hIgGFc transfected HEK293 (2) cell lysate.

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



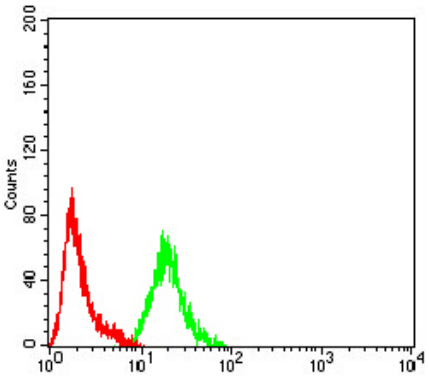


Figure 5:Flow cytometric analysis of HepG2 cells using ARFGAP1 mouse mAb (green) and negative control (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.