

Mouse anti-Human ARF1 Monoclonal Antibody | anti-ARF1 antibody

ARF1 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48103	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

PRODUCT SYNONYMS

ARF1; Monoclonal Antibody; ARF1 antibody; ADP-ribosylation factor 1; ADP ribosylation factor 1; anti-ARF1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	AT1B3
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	181
Applicable Applications for anti-ARF1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human ARF1 (1-181aa) purified from E. coli
Clone Note	Anti-human ARF1 mAb, clone 1B3, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human ARF1 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of ARF1 in MCF7 cell line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human ARF1 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green). ICC/IF analysis of ARF1 in U87MG cell line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human ARF1 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human ARF1 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: HeLa cell lysate Lane 2.: HepG2 cell lysate Lane 3.: Brain tissue lysate Lane 4.: MCF cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-ARF1 antibody	ADP-ribosylation factor 1 (ARF1) is a member of the human ARF gene family. The family member is essential and ubiquitous in eukaryotes, being involved in vesicular transport and functioning as an activator of phospholipase D and cholera toxin. The functions of ARF proteins in membrane traffic and organelle integrity are intimately tied to its reversible association with membranes and specific interactions with membrane phospholipids. ARF1 is various membrane trafficking events in the ER-Golgi system and in the maintenance of organelle structure. Inactive ARF1 (ARF1-GDP) localizes in the cytoplasm, while the active form (ARF1-GTP) localizes in the membrane.
Product Categories/Family for anti-ARF1 antibody	Signal Transduction
References	Amor, J. C. et al. (1994) Nature 372: 704-708; Claude, A. et al. (1999) J. Cell Biol. 146: 71-84; Derrien, V. et al. (2002) J. Cell Sci. 115: 2867-2879

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502201
NCBI GeneID	375
NCBI Accession #	NP_001649
NCBI GenBank Nucleotide #	NP_001649.1
UniProt Accession #	P84077; P10947; P32889
Molecular Weight	20,697 Da
NCBI Official Full Name	ADP-ribosylation factor 1
NCBI Official Synonym Full Names	ADP ribosylation factor 1
NCBI Official Symbol	ARF1
NCBI Protein Information	ADP-ribosylation factor 1
UniProt Protein Name	ADP-ribosylation factor 1
UniProt Gene Name	ARF1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/arf1-antibody-clone-at1b3-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/48103>