

## Rabbit anti-Human, Mouse ARF1 Polyclonal Antibody | anti-ARF1 antibody

ARF1 Antibody

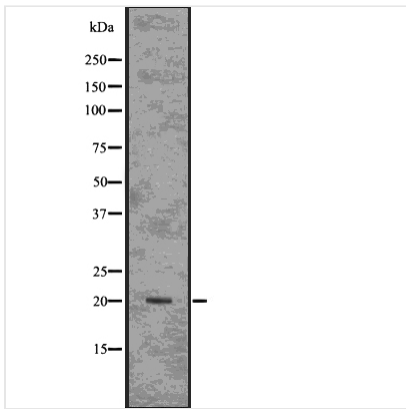
|                               |                       |                                   |                                            |
|-------------------------------|-----------------------|-----------------------------------|--------------------------------------------|
| CATALOG #<br><b>AAA327270</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse</b> | APPLICATIONS<br><b>ELISA, Western Blot</b> |
|-------------------------------|-----------------------|-----------------------------------|--------------------------------------------|

### PRODUCT SYNONYMS

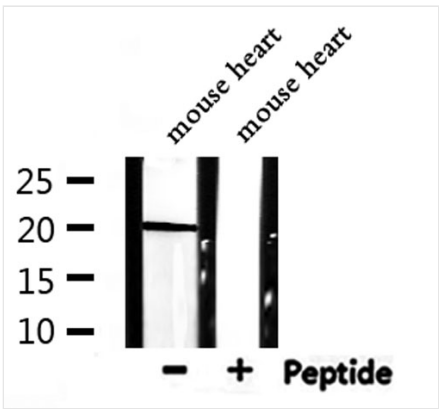
ARF1; Polyclonal Antibody; ARF1 Antibody; ADP Ribosylation Factor 1; ADP-ribosylation factor 1; ARF 1; ARF1\_HUMAN; anti-ARF1 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                          |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                   |
| Reactivity                                     | Human, Mouse                                                                                             |
| Clonality                                      | Polyclonal                                                                                               |
| Isotype                                        | IgG                                                                                                      |
| Specificity                                    | ARF1 antibody detects endogenous levels of total ARF1                                                    |
| Purity/Purification                            | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.            |
| Form/Format                                    | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.            |
| Concentration                                  | 1mg/ml (varies by lot)                                                                                   |
| Sequence Length                                | 181                                                                                                      |
| Applicable Applications for anti-ARF1 antibody | ELISA, WB (Western Blot)                                                                                 |
| Immunogen                                      | A synthesized peptide derived from human ARF1                                                            |
| Subcellular Location                           | Golgi Apparatus. Cytoplasm > Perinuclear Region.                                                         |
| Predicted Cross Reactivity                     | <b>Pig, Zebrafish, Bovine, Sheep, Rabbit, Chicken, Xenopus</b>                                           |
| Similarity                                     | Pig (100%), Zebrafish (100%), Bovine (100%), Sheep (100%), Rabbit (100%), Chicken (100%), Xenopus (100%) |
| Conjugation                                    | Unconjugated                                                                                             |
| Preparation and Storage                        | Store at -20 degree C. Stable for 12 months from date of receipt.                                        |



WB (Western Blot)  
Western blot analysis of ARF1 using HT29 whole lysates.



WB (Western Blot)  
Western blot analysis of extracts from mouse heart, using ARF1 Antibody.

ADDITIONAL INFORMATION

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| Related Product Information for anti-ARF1 antibody | <p>Function: GTP-binding protein that functions as an allosteric activator of the cholera toxin catalytic subunit, an ADP-ribosyltransferase. Involved in protein trafficking among different compartments. Modulates vesicle budding and uncoating within the Golgi complex. Deactivation induces the redistribution of the entire Golgi complex to the endoplasmic reticulum, suggesting a crucial role in protein trafficking. In its GTP-bound form, its triggers the association with coat proteins with the Golgi membrane. The hydrolysis of ARF1-bound GTP, which is mediated by ARFGAPs proteins, is required for dissociation of coat proteins from Golgi membranes and vesicles. The GTP-bound form interacts with PICK1 to limit PICK1-mediated inhibition of Arp2/3 complex activity; the function is linked to AMPA receptor (AMPA) trafficking, regulation of synaptic plasticity of excitatory synapses and spine shrinkage during long-term depression (LTD).</p> <p>Subunit Structure: Interacts with ARHGAP21, ASAP2, GGA1, HERC1, PRKCABP, PIP5K1B, TMED2, PSCD2, TMED10 and GRIA2. Interacts with ARFGAP1, which hydrolyzes GTP and thus, regulates its function. Interacts with PI4KB in the Golgi complex. Interacts with NCS1/FREQ in the Golgi and at the plasma membrane. Interacts with PLEKHA3. Interacts with PLEKHA8; the interaction, together with phosphatidylinositol 4-phosphate binding, is required for FAPP2-mediated glucosylceramide transfer activity. Interacts (activated) with PICK1 (via PDZ domain); the interaction blocks Arp2/3 complex inhibition. Interacts with IQSEC1 (PubMed:24058294). Interacts with C9orf72 (By similarity).</p> <p>Post-translational Modifications: Demyristoylated by S.flexneri cysteine protease IpaJ which cleaves the peptide bond between N-myristoylated Gly-2 and Asn-3.</p> <p>Similarity: Belongs to the small GTPase superfamily. Arf family.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                       |
|----------------------------------|---------------------------------------|
| NCBI GI #                        | 66879660                              |
| NCBI GeneID                      | 375                                   |
| NCBI Accession #                 | NP_001019397.1                        |
| NCBI GenBank Nucleotide #        | NM_001024226.1                        |
| UniProt Accession #              | P84077; P10947; P32889                |
| Molecular Weight                 | Observed: 20 kDa<br>Predicted: 21 kDa |
| 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             |

**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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)

Online datasheet: <https://stage.aaabiotech.com/polyclonal/arf1-antibody-western-blot-elisa/327270>