Datasheet for ABIN2783267

# anti-ARF1 antibody (Middle Region)

6 Images

Go to Product page

## Overview

| | |
|---|---|
| Quantity: | 100 µL |
| Target: | ARF1 |
| Binding Specificity: | Middle Region |
| Reactivity: | Human, Rat, Mouse, Cow, Dog, Zebrafish (Danio rerio), Sheep, Rabbit, Guinea Pig, Horse, Saccharomyces cerevisiae |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This ARF1 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP) |

## Product Details

| | |
|---|---|
| Immunogen: | The immunogen is a synthetic peptide directed towards the middle region of human ARF1 |
| Sequence: | MRMLAEDELR DAVLLVFANK QDLPNAMNAA EITDKLGLHS LRHRNWYIQA |
| Predicted Reactivity: | Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Sheep: 100%, Yeast 100% |
| Characteristics: | This is a rabbit polyclonal antibody against ARF1. It was validated on Western Blot using a cell lysate as a positive control. |
| Purification: | Affinity Purified |

## Target Details

| | |
|---|---|
| Target: | ARF1 |

## Target Details

| | |
|---|---|
| Alternative Name: | ARF1 (ARF1 Products) |
| Background: | ADP-ribosylation factor 1 (ARF1) is a member of the human ARF family. The family is composed of small guanine nucleotide-binding proteins that stimulate the ADP-ribosyltransferase activity of cholera toxin and play a role in vesicular trafficking as activators of phospholipase D. These protein, including 6 ARF proteins and 11 ARF-like proteins, constitute a family of the RAS superfamily. The ARF proteins are categorized as class I (ARF1, ARF2 and ARF3), class II (ARF4 and ARF5) and class III (ARF6), and members of each class share a common gene organization. The ARF1 protein is localized to the Golgi apparatus and has a central role in intra-Golgi transport. Multiple alternatively spliced transcript variants encoding the same protein have been found for this gene.ADP-ribosylation factor 1 (ARF1) is a member of the human ARF gene family. The family members encode small guanine nucleotide-binding proteins that stimulate the ADP-ribosyltransferase activity of cholera toxin and play a role in vesicular trafficking as activators of phospholipase D. The gene products, including 6 ARF proteins and 11 ARF-like proteins, constitute a family of the RAS superfamily. The ARF proteins are categorized as class I (ARF1, ARF2 and ARF3), class II (ARF4 and ARF5) and class III (ARF6), and members of each class share a common gene organization. The ARF1 protein is localized to the Golgi apparatus and has a central role in intra-Golgi transport. Multiple alternatively spliced transcript variants encoding the same protein have been found for this gene.<br>Alias Symbols: -<br>Protein Interaction Partner: GGA1, GGA3, GGA2, HUWE1, UBC, FBXO6, MMS19, TMEM106A, VCAM1, ITGA4, ATF2, ARF3, UBD, GRK5, CDK2, HERC1, Proser1, AI837181, Kif1c, Bach1, nef, COPB1, GEA1, WBP11, TMED2, PICK1, NOA1, TMED10, EEF1G, PLEKHA8, COPG1, ARFIP1, ARFIP2, ARHGAP21, ARFGAP1, AP3D1,<br>Protein Size: 181 |
| Molecular Weight: | 21 kDa |
| Gene ID: | 375 |
| NCBI Accession: | NM_001658, NP_001649 |
| UniProt: | P61204 |
| Pathways: | Transition Metal Ion Homeostasis, Inositol Metabolic Process |

## Application Details

| | |
|---|---|
| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |

## Application Details

| | |
|---|---|
| Comment: | Antigen size: 181 AA |
| Restrictions: | For Research Use only |

## Handling

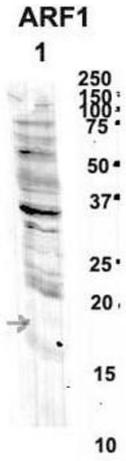
| | |
|---|---|
| Format: | Liquid |
| Concentration: | Lot specific |
| Buffer: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freeze-thaw cycles. |
| Storage: | -20 °C |
| Storage Comment: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |

## Images

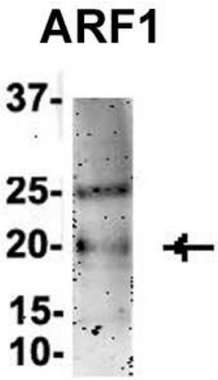

**Western Blotting**

**Image 1.** Sample Type: 1. Human NT-2 cells (60ug)2. mouse brain extracts (80ug) Primary antibody dilution: 2ug/ml Secondary antibody: IRDye 800CW goat anti-rabbit from Li-COR Bioscience Secondary antibody dilution: 1: 20,000 Image Submitted by: Yuzhi ChenUniversity of Arkansas for Medical Science

## Images




See Immunoblot 2 Data for more information.




See Other Application 1 Data and Customer Feedback tab for more information.

### Western Blotting

**Image 2. Sample Type**: 1. Human NT-2 cells (60ug)

2. mouse brain extracts (80ug)

**Primary Antibody Dilution:** 2ug/ml

**Secondary Antibody**: IRDye 800CW goat anti-rabbit from Li-COR Bioscience

**Secondary Antibody Dilution:** 1: 20,000

**Image Submitted by**: Yuzhi Chen

University of Arkansas for Medical Science

### Immunoprecipitation

**Image 3.** Sample Type : Mouse Brain lysate

Please check the product details page for more images. Overall 6 images are available for ABIN2783267.