Datasheet for ABIN2785790

# anti-ARF6 antibody (Middle Region)

1 Image | 1 Publication

Go to Product page

## Overview

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|---|---|
| Quantity: | 100 µL |
| Target: | ARF6 |
| Binding Specificity: | Middle Region |
| Reactivity: | Human, Rat, Mouse, Zebrafish (Danio rerio), Rabbit, Cow, Sheep, Guinea Pig, Horse, Dog |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC) |

## Product Details

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| Immunogen: | The immunogen is a synthetic peptide directed towards the middle region of human ARF6 |
| Sequence: | REMRDAIILI FANKQDLPDA MKPHEIQEKL GLTRIRDRNW YVQPSCATSG |
| Predicted Reactivity: | Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Sheep: 100%, Zebrafish: 100% |
| Characteristics: | This is a rabbit polyclonal antibody against ARF6. It was validated on Western Blot using a cell lysate as a positive control. |
| Purification: | Affinity Purified |

## Target Details

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|---|---|
| Target: | ARF6 |
| Alternative Name: | ARF6 (ARF6 Products) |

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## Target Details

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| Background: | ARF6 is a member of the human ARF family, which is part of the RAS superfamily. They are small guanine nucleotide-binding proteins that stimulate the ADP-ribosyltransferase activity of cholera toxin and play a role in vesicular trafficking and as activators of phospholipase D. ARF6 is localized to the plasma membrane, and regulates vesicular trafficking, remodelling of membrane lipids, and signaling pathways that lead to actin remodeling. This gene encodes a member of the human ARF gene family, which is part of the RAS superfamily. The ARF genes encode small guanine nucleotide-binding proteins that stimulate the ADP-ribosyltransferase activity of cholera toxin and play a role in vesicular trafficking and as activators of phospholipase D. The product of this gene is localized to the plasma membrane, and regulates vesicular trafficking, remodelling of membrane lipids, and signaling pathways that lead to actin remodeling. A pseudogene of this gene is located on chromosome 7. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.<br>Alias Symbols: DKFZp564M0264<br>Protein Interaction Partner: UBC, LSB5, GGA1, STAU1, EGFR, CYTH1, CYTH2, GNAQ, FN1, VCP, APP, RAB11FIP3, RAB11FIP4, RAB11FIP5, USP6, IKBKG, GGA3, ITSN1, ASAP1, FBXO8, MEPCE, RUVBL2, ASAP3, MPP5, ZNF709, EXOC5, ARFIP2, AP3D1, PIP5K1C, ASAP2, AP3B1, PIP5K1A, PLD1, AP1B1, EZR, CHRM3, CA<br>Protein Size: 175 |
| Molecular Weight: | 20 kDa |
| Gene ID: | 382 |
| NCBI Accession: | NM_001663, NP_001654 |
| UniProt: | P62330 |
| Pathways: | Steroid Hormone Mediated Signaling Pathway, Regulation of Actin Filament Polymerization, SARS-CoV-2 Protein Interactome |

## Application Details

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| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
| Comment: | Antigen size: 175 AA |
| Restrictions: | For Research Use only |

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## Handling

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|---|---|
| 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. |

## Publications

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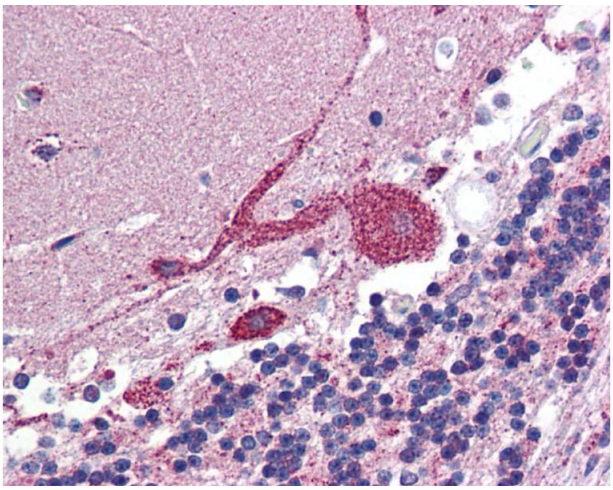
|---|---|
| Product cited in: | Tagliatti, Fadda, Falace, Benfenati, Fassio: "Arf6 regulates the cycling and the readily releasable pool of synaptic vesicles at hippocampal synapse." in: **eLife**, Vol. 5, (2016) (PubMed). |

## Images



**Immunohistochemistry**

**Image 1. IHC Information:** Paraffin embedded brain, cerebellum tissue, tested with an antibody dilution of 5 ug/ml.

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