

ARF1 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5871c

Specification

ARF1 Antibody (Center) - Product Information

Application	WB, IHC-P,E
Primary Accession	P84077
Other Accession	P61206 , P61205 , P61204 , Q5E9I6 , P84082 , Q8BSL7 , P84081 , P51643 , P84079 , P84078 , Q4R5P2 , P84080 , NP_001019398.1 , NP_001649.1 , NP_001019399.1 , NP_001019397.1
Reactivity Predicted	Human Bovine, Monkey, Mouse, Rat, Xenopus
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Calculated MW	20697
Antigen Region	80-106

ARF1 Antibody (Center) - Additional Information

Gene ID 375

Other Names

ADP-ribosylation factor 1, ARF1

Target/Specificity

This ARF1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 80-106 amino acids from the Central region of human ARF1.

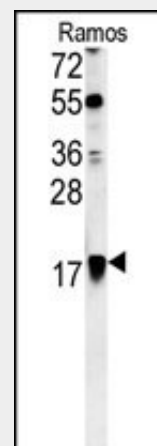
Dilution

WB~~1:1000

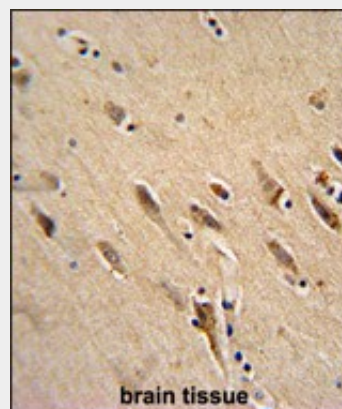
IHC-P~~1:50~100

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity



ARF1 Antibody (Center) (Cat. #AP5871c) western blot analysis in Ramos cell line lysates (35ug/lane). This demonstrates the ARF1 antibody detected the ARF1 protein (arrow).



ARF1 Antibody (Center) (Cat. #AP5871c) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ARF1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

ARF1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

ARF1 Antibody (Center) - Protein Information**Name** ARF1**Function**

GTP-binding protein 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, it 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).

Cellular Location

Golgi apparatus. Cytoplasm, perinuclear region. Cell junction, synapse, synaptosome. Cell junction, synapse, postsynaptic density. Membrane; Lipid-anchor. Golgi apparatus, trans-Golgi network membrane
{ECO:0000250|UniProtKB:P84078};
Lipid-anchor
{ECO:0000250|UniProtKB:P84078}

ARF1 Antibody (Center) - Protocols

Provided below are standard protocols that you

may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)