

# ARF5 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP17093C

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P84085</a>
<b>Other Accession</b>	<a href="#">P84083</a> , <a href="#">P84084</a> , <a href="#">NP_001653.1</a>
<b>Reactivity</b>	Human
<b>Predicted</b>	Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB37019
<b>Calculated MW</b>	20530
<b>Antigen Region</b>	80-108

## Additional Information

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<b>Gene ID</b>	381
<b>Other Names</b>	ADP-ribosylation factor 5, ARF5
<b>Target/Specificity</b>	This ARF5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 80-108 amino acids from the Central region of human ARF5.
<b>Dilution</b>	WB~~1:2000 E~~Use at an assay dependent concentration.
<b>Format</b>	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 purification.
<b>Storage</b>	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.
<b>Precautions</b>	ARF5 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	ARF5
<b>Function</b>	GTP-binding protein involved in protein trafficking; may modulate vesicle budding and uncoating within the Golgi apparatus.

## Cellular Location

Golgi apparatus. Cytoplasm, perinuclear region. Membrane; Lipid-anchor.  
Golgi apparatus, trans-Golgi network membrane  
{ECO:0000250|UniProtKB:P84084}; Lipid-anchor  
{ECO:0000250|UniProtKB:P84084}

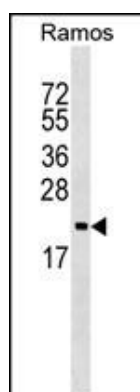
## Background

ADP-ribosylation factor 5 (ARF5) is a member of the human ARF gene family. These 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 gene products include 6 ARF proteins and 11 ARF-like proteins and constitute 1 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). The members of each class share a common gene organization. The ARF5 gene spans approximately 3.2kb of genomic DNA and contains six exons and five introns. [provided by RefSeq].

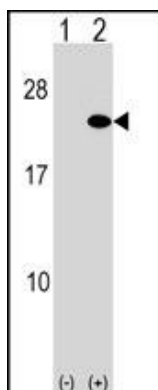
## References

Shiba, T., et al. Proc. Natl. Acad. Sci. U.S.A. 103(42):15416-15421(2006)  
Austin, C., et al. Biochemistry 41(14):4669-4677(2002)  
Shin, O.H., et al. Biochemistry 40(36):10846-10852(2001)  
Nevrivy, D.J., et al. J. Biol. Chem. 275(22):16827-16836(2000)  
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## Images



ARF5 Antibody (Center) (Cat. #AP17093c) western blot analysis in Ramos cell line lysates (35ug/lane). This demonstrates the ARF5 antibody detected the ARF5 protein (arrow).



Western blot analysis of ARF5 (arrow) using rabbit polyclonal ARF5 Antibody (Center) (Cat. #AP17093c). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the ARF5 gene.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.