

Datasheet for ABIN388996

anti-ARFGAP1 antibody (C-Term)**3** Images**2** Publications[Go to Product page](#)

Overview

Quantity:	400 µL
Target:	ARFGAP1
Binding Specificity:	AA 377-406, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ARFGAP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This ARFGAP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 377-406 amino acids from the C-terminal region of human ARFGAP1.
Clone:	RB4855
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	ARFGAP1
Alternative Name:	ARFGAP1 (ARFGAP1 Products)

Target Details

Background:	ARFGAP1 is a GTPase-activating protein (GAP) which associates with the Golgi apparatus and which interacts with ADP-ribosylation factor 1 (ARF1). The encoded protein promotes hydrolysis of ARF1-bound GTP and is required for the dissociation of coat proteins from Golgi-derived membranes and vesicles. Dissociation of the coat proteins is required for the fusion of these vesicles with target compartments. The activity of this protein is stimulated by phosphoinositides and inhibited by phosphatidylcholine.
Molecular Weight:	44668
Gene ID:	55738
NCBI Accession:	NP_001268411 , NP_001268412 , NP_001268413 , NP_060679 , NP_783202
UniProt:	Q8N6T3
Pathways:	p53 Signaling , ER-Nucleus Signaling , Unfolded Protein Response

Application Details

Application Notes:	WB: 1:8000. WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

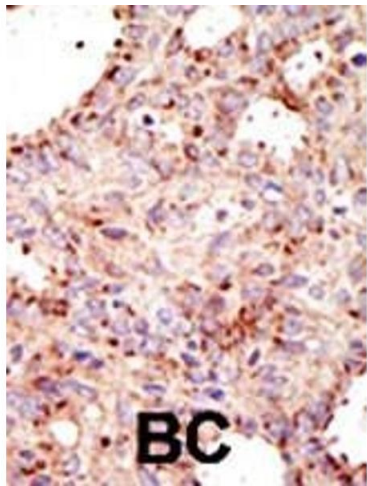
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Publications

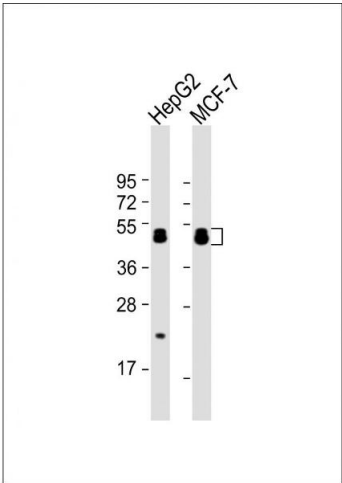
Product cited in:	Wang, Wang, Liu, Liu, Tay, Walsh, Yang, Wu: "CRISPR/Cas9 mediated genome editing of <i>Helicoverpa armigera</i> with mutations of an ABC transporter gene HaABCA2 confers resistance
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to Bacillus thuringiensis Cry2A toxins." in: **Insect biochemistry and molecular biology**, Vol. 87, pp. 147-153, (2017) ([PubMed](#)).



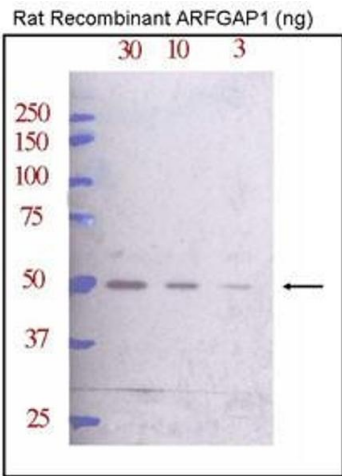
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.



Western Blotting

Image 2. All lanes : Anti-ARFG Antibody (C-term) at 1:8000 dilution Lane 1: HepG2 whole cell lysate Lane 2: MCF-7 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 45 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.



Western Blotting

Image 3. Western blot analysis of ARFG Antibody (C-term) (ABIN388996 and ABIN2839226) against rat recombinant ARFG (30, 10, and 3 ng/lane, left to right). ARFG(arrow) was detected using the purified Pab. Data courtesy of Dr. Dan Cassel, Department of Biology, Technion, Haifa, Israel.