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# Datasheet for ABIN2792300 anti-RAB14 antibody (C-Term)

7 Images

2 Publications



## Overview

Quantity:	100 μL
Target:	RAB14
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse, Pig, Dog, Cow, Goat, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RAB14 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human RAB14
Sequence:	FLEAAKKIYQ NIQDGSLDLN AAESGVQHKP SAPQGGRLTS EPQPQREGCG
Predicted Reactivity:	Cow: 100%, Dog: 100%, Goat: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rat: 100%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against RAB14. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified
Target Details	
Target:	RAB14

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Target Details	
Alternative Name:	RAB14 (RAB14 Products)
Background:	Localized to biosynthetic and endosomal compartments, Rab14 is involved in the biosynthetic/recycling pathway between the Golgi and endosomal compartments. Alias Symbols: FBP, RAB-14 Protein Interaction Partner: EXOC5, UBC, RPA3, RPA2, RPA1, EED, RAB11FIP1, RAB11FIP5, OPTN, IQCB1, UBL4A, ATF2, VCP, ILVBL, TACC3, LAMTOR3, UQCRFS1, ILF3, HSPA5, HNRNPF, ABCC2, APP, RUFY1, RBSN, SMURF2, OCRL, CHM, DSTYK, Protein Size: 215
Molecular Weight:	24 kDa
Gene ID:	51552
NCBI Accession:	NM_016322, NP_057406
UniProt:	P61106
Pathways:	Asymmetric Protein Localization, SARS-CoV-2 Protein Interactome

# Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 215 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

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## Publications

Product cited in:

Bonito-Oliva, Barbash, Sakmar, Graham: "Nucleobindin 1 binds to multiple types of pre-fibrillar amyloid and inhibits fibrillization." in: **Scientific reports**, Vol. 7, pp. 42880, (2017) (PubMed).

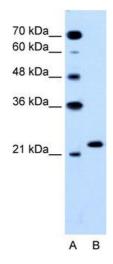
Larkin, Ribeiro, Lavoie: "Topology and membrane anchoring of the lysosomal storage diseaserelated protein CLN5." in: **Human mutation**, Vol. 34, Issue 12, pp. 1688-97, (2013) (PubMed).

Lin, Fischer, Lavoie, Huang, Farquhar: "Calnuc plays a role in dynamic distribution of Galphai but not Gbeta subunits and modulates ACTH secretion in AtT-20 neuroendocrine secretory cells." in: **Molecular neurodegeneration**, Vol. 4, pp. 15, (2009) (PubMed).

Valencia, Cotten, Duan, Liu: "Modulation of nucleobindin-1 and nucleobindin-2 by caspases." in: **FEBS letters**, Vol. 582, Issue 2, pp. 286-90, (2008) (PubMed).

Sugeno, Takeda, Hasegawa, Kobayashi, Kikuchi, Mori, Wakabayashi, Itoyama: "Serine 129 phosphorylation of alpha-synuclein induces unfolded protein response-mediated cell death." in: **The Journal of biological chemistry**, Vol. 283, Issue 34, pp. 23179-88, (2008) (PubMed).

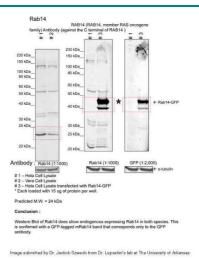
### Images



#### **Western Blotting**

**Image 1.** WB Suggested Anti-RAB14 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: HepG2 cell Iysate There is BioGPS gene expression data showing that RAB14 is expressed in HepG2

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#### Western Blotting

Image 2. Sample Type: 1. Human Cervical Cancer Cell Lysate (15ug)

2. Monkey Fibroblast Cell Lysate (15ug)

3. Human Cervical Cancer Cell transfected with mouse

Rab14-GFP (15ug)

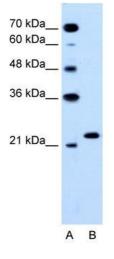
Primary Dilution: 1:1000

Secondary Antibody: goat anti-Rabbit

Secondary Dilution: 1:40,000

Image Submitted by: Dr. Jakob Szwedo, Dr. Lupashin's Lab

University of Arkansas for Medical Sciences.



### Western Blotting

**Image 3.** WB Suggested Anti-RAB14 Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:.2500 Positive Control: HepG2 cell lysate There is BioGPS gene expression data showing that RAB14 is expressed in HepG2

Please check the product details page for more images. Overall 7 images are available for ABIN2792300.