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Datasheet for ABIN2787503 anti-GPS1 antibody (N-Term)

1 Image

1 Publication



Overview

Quantity:	100 μL
Target:	GPS1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Zebrafish (Danio rerio), Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GPS1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human GPS1	
Sequence:	PLPVQVFNLQ GAVEPMQIDV DPQEDPQNAP DVNYVVENPS LDLEQYAASY	
Predicted Reactivity:	Cow: 100%, Guinea Pig: 100%, Human: 100%, Mouse: 100%, Rat: 100%, Zebrafish: 86%	
Characteristics:	This is a rabbit polyclonal antibody against GPS1. It was validated on Western Blot using a cell lysate as a positive control.	
Purification:	Affinity Purified	
Target Details		
Target:	GPS1	

Target: GPS1	
Alternative Name: GPS1 (GPS1	Products)

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Target Details	
Background:	This protein is known to suppress G-protein and mitogen-activated signal transduction in
	mammalian cells. It shares significant similarity with Arabidopsis FUS6, which is a regulator of
	light-mediated signal transduction in plant cells. This gene is known to suppress G-protein and
	mitogen-activated signal transduction in mammalian cells. The encoded protein shares
	significant similarity with Arabidopsis FUS6, which is a regulator of light-mediated signal
	transduction in plant cells. Two alternatively spliced transcript variants encoding different
	isoforms have been found for this gene.
	Alias Symbols: COPS1, CSN1, MGC71287
	Protein Interaction Partner: COPS2, COPS3, COPS4, COPS7A, COPS5, COPS6, COPS8, UBC,
	cul1, PRKAR2A, FBXO6, NFKBIA, FBXW4, SENP8, vpr, IRF5, NOTCH1, COPS7B, DDB2,
	DCUN1D1, ASB4, NOD1, CUL2, CUL3, CUL4A, CUL4B, CUL5, NEDD8, JUN, ITPK1, GFER, ERCC8
	TP53, POLR2A, DDB1, PSMA6, NF2, CARD11
	Protein Size: 491
Molecular Weight:	55 kDa
Gene ID:	2873
NCBI Accession:	NM_004127, NP_004118
UniProt:	Q13098
Pathways:	Cell Division Cycle
Application Details	

Application Details	
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Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.	
Comment:	Antigen size: 491 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

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	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	
Product cited in:	Zhang, Yao, Yu, Ni, Zhang, Wang, Lai: "Effects of 1.8 GHz radiofrequency radiation on protein expression in human lens epithelial cells." in: Human & experimental toxicology , Vol. 32, Issue 8, pp. 797-806, (2013) (PubMed).

Validation report #103662 for Western Blotting (WB)

