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ARFGAP2 Rabbit pAb

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Catalog # AP57118

Product Information

Application	WB
Primary Accession	Q8N6H7
Reactivity	Human
Predicted	Rat, Pig, Mouse, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56720
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ZNF289/ARFGAP2 401-500/521
Epitope Specificity	
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm. Golgi apparatus membrane; Peripheral membrane protein; Cytoplasmic side. Note: Also found on peripheral punctate structures likely to be endoplasmic reticulum-Golgi intermediate compartment.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	ZNF289 functions as a GTPase-activating protein (GAP) for ARF family proteins. Localizing to the cytoplasmic side of the Golgi apparatus, ZNF289 contains one ARF-GAP domain and is found associated with COP-I-coated vesicles.

Additional Information

Gene ID	84364
Other Names	ADP-ribosylation factor GTPase-activating protein 2, ARF GAP 2, GTPase-activating protein ZNF289, Zinc finger protein 289, ARFGAP2, ZNF289
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	ARFGAP2 {ECO:0000303|PubMed:22375848,

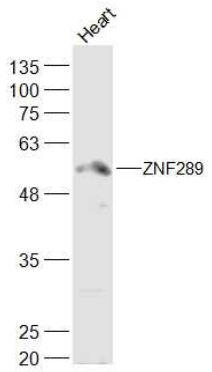
ECO:0000312|HGNC:HGNC:13504}

Function	GTPase-activating protein (GAP) for ADP ribosylation factor 1 (ARF1), which is essential for COPI vesicle formation and retrograde transport between the Golgi and the endoplasmic reticulum (PubMed:17760859, PubMed:20858901). Hydrolysis of ARF1-bound GTP leads to dissociation of coatomer from Golgi-derived membranes to allow fusion with target membranes (PubMed:20858901). Promotes the proper assembly of the COPI coat lattice, rather than just acting as a simple curvature-dependent GAP like ARFGAP1 (PubMed:20858901). Also acts as a regulator of STING1 activity, both by promoting cytokine secretion in certain cell types and promoting the proton channel activity of STING1 in the trans-Golgi (PubMed:39947179).
Cellular Location	Golgi apparatus membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasm. Note=Also found on peripheral punctate structures likely to be endoplasmic reticulum-Golgi intermediate compartment.

Background

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Images



Sample:
Heart (Mouse) Lysate at 40 ug
Primary: Anti-ZNF289 (AP57118) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 57 kD
Observed band size: 57 kD

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