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Arfaptin 1 Polyclonal Antibody

Catalog # AP68493

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	P53367
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41738

Additional Information

Gene ID	27236
Other Names	ARFIP1; Arfaptin-1; ADP-ribosylation factor-interacting protein 1
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

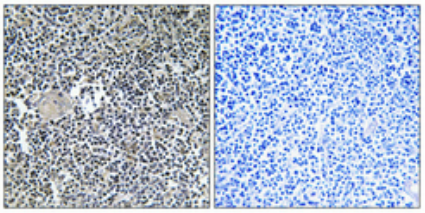
Protein Information

Name	ARFIP1 {ECO:0000303|PubMed:22981988, ECO:0000312|HGNC:HGNC:21496}
Function	Plays a role in controlling biogenesis of secretory granules at the trans-Golgi network (PubMed:22981988). Mechanistically, binds ARF-GTP at the neck of a growing secretory granule precursor and forms a protective scaffold (PubMed:22981988, PubMed:9038142). Once the granule precursor has been completely loaded, active PRKD1 phosphorylates ARFIP1 and releases it from ARFs (PubMed:22981988). In turn, ARFs induce fission (PubMed:22981988). Through this mechanism, ensures proper secretory granule formation at the Golgi of pancreatic beta cells (PubMed:22981988).
Cellular Location	Golgi apparatus. Golgi apparatus, trans-Golgi network membrane
Tissue Location	Ubiquitously expressed (PubMed:9038142). Higher levels in liver, pancreas, placenta, skeletal muscle and heart (PubMed:9038142).

Background

Putative target protein of ADP-ribosylation factor.

Images



Immunohistochemical analysis of paraffin-embedded Human thymus gland. Antibody was diluted at 1:100(4°,overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.

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