

Arfaptin 1 Polyclonal Antibody
Catalog # AP68493**Specification**

Arfaptin 1 Polyclonal Antibody - Product Information

Application	WB, IHC-P, IF
Primary Accession	P53367
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

Arfaptin 1 Polyclonal Antibody - 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

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

Arfaptin 1 Polyclonal Antibody - 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

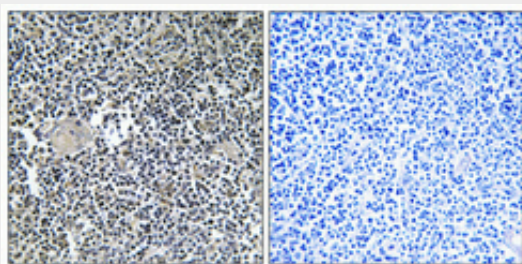
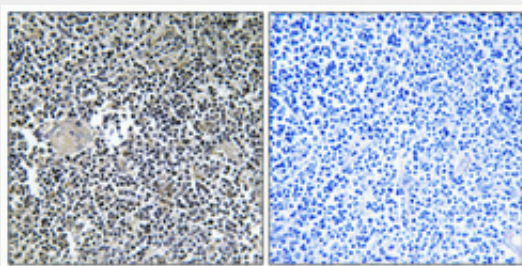
Tissue Location

Ubiquitously expressed (PubMed:9038142). Higher levels in liver, pancreas, placenta, skeletal muscle and heart (PubMed:9038142).

Arfaptin 1 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Arfaptin 1 Polyclonal Antibody - Images**Arfaptin 1 Polyclonal Antibody - Background**

Putative target protein of ADP-ribosylation factor.