

ARFIP1 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12992C**Specification**

ARFIP1 Antibody (Center) - Product Information

Application	IHC-P, WB,E
Primary Accession	P53367
Other Accession	Q9JHU5 , NP_055262.1 , NP_001020766.1 , G5E8V9
Reactivity	Human
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	41738
Antigen Region	147-176

ARFIP1 Antibody (Center) - Additional Information**Gene ID** 27236**Other Names**

Arfaptin-1, ADP-ribosylation factor-interacting protein 1, ARFIP1

Target/Specificity

This ARFIP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 147-176 amino acids from the Central region of human ARFIP1.

Dilution

IHC-P~~1:10~50

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

ARFIP1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

ARFIP1 Antibody (Center) - 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

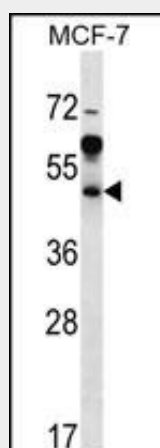
Ubiquitously expressed (PubMed:9038142). Higher levels in liver, pancreas, placenta, skeletal muscle and heart (PubMed:9038142).

ARFIP1 Antibody (Center) - 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](#)

ARFIP1 Antibody (Center) - Images



ARFIP1 Antibody (Center) (Cat. #AP12992c) western blot analysis in MCF-7 cell line lysates (35ug/lane). This demonstrates the ARFIP1 antibody detected the ARFIP1 protein (arrow).



ARFIP1 Antibody (Center) (Cat. #AP12992c) immunohistochemistry analysis in formalin fixed and paraffin embedded human placenta tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of ARFIP1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

ARFIP1 Antibody (Center) - Background

ARFIP1 is a putative target protein of ADP-ribosylation factor.

ARFIP1 Antibody (Center) - References

- Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)
Wang, A.G., et al. Biochem. Biophys. Res. Commun. 345(3):1022-1032(2006)
Foster, L.J., et al. J. Proteome Res. 5(1):64-75(2006)
Ho, W.T., et al. FEBS Lett. 537 (1-3), 91-95 (2003) :
Suzuki, Y., et al. Genome Res. 11(5):677-684(2001)