

ARFIP1 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP12992c**Specification**

ARFIP1 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [P53367](#)**ARFIP1 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 27236**Other Names**

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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ARFIP1 Antibody (Center) Blocking peptide - 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) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

ARFIP1 Antibody (Center) Blocking peptide - Images

ARFIP1 Antibody (Center) Blocking peptide - Background

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

ARFIP1 Antibody (Center) Blocking peptide - 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)