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ARCN1 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP17651c

Specification

ARCN1 Antibody (Center) Blocking Peptide - Product Information

Primary Accession P48444

ARCN1 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 372

Other Names
Coatomer subunit delta, Archain, Delta-coat protein, Delta-COP, ARCN1, COPD

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.

ARCN1 Antibody (Center) Blocking Peptide - Protein Information

Name ARCN1

Synonyms COPD

Function
Component of the coatomer, a cytosolic protein complex that binds to dilysine motifs and reversibly associates with Golgi non- clathrin-coated vesicles, which further mediate biosynthetic protein transport from the ER, via the Golgi up to the trans Golgi network. The coatomer complex is required for budding from Golgi membranes, and is essential for the retrograde Golgi-to-ER transport of dilysine-tagged proteins. In mammals, the coatomer can only be recruited by membranes associated to ADP-ribosylation factors (ARFs), which are small GTP- binding proteins; the complex also influences the Golgi structural integrity, as well as the processing, activity, and endocytic recycling of LDL receptors (By similarity).

Cellular Location
Cytoplasm. Golgi apparatus membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasmic vesicle, COPI-coated vesicle membrane; Peripheral membrane protein; Cytoplasmic side. Note=The coatomer is cytoplasmic or polymerized on the cytoplasmic side of the Golgi, as well as on the vesicles/buds originating from it.

Tissue Location

Ubiquitously expressed.

ARCN1 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

ARCN1 Antibody (Center) Blocking Peptide - Images

ARCN1 Antibody (Center) Blocking Peptide - Background

This gene maps in a region, which include the mixedlineage leukemia and Friend leukemia virus integration 1 genes,where multiple disease-associated chromosome translocations occur.It is an intracellular protein. Archain sequences are wellconserved among eukaryotes and this protein may play a fundamentalrole in eukaryotic cell biology. It has similarities to heat shockproteins and clathrin-associated proteins, and may be involved invesicle structure or trafficking.

ARCN1 Antibody (Center) Blocking Peptide - References

Lippincott-Schwartz, J., et al. Trends Cell Biol. 16 (10), E1-E4 (2006) :Xu, Y., et al. Mol. Biol. Cell 13(10):3493-3507(2002)Lippincott-Schwartz, J., et al. Annu. Rev. Cell Dev. Biol. 16, 557-589 (2000) :Lowe, M., et al. J. Biol. Chem. 271(48):30725-30730(1996)Tunnacliffe, A., et al. Mamm. Genome 7(10):784-786(1996)