

**ARCN1 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP17651c****Specification**

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**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 in vesicle 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)