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ARCN1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17651c

Specification

ARCN1 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	P48444
Other Accession	Q66H80, Q5XJY5, P53619, NP_001135753.1
Reactivity	**Human**
Predicted	**Bovine, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**57210**
Antigen Region	**296-324**

ARCN1 Antibody (Center) - Additional Information

Gene ID 372

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

Target/Specificity
This ARCN1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 296-324 amino acids from the Central region of human ARCN1.

Dilution
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
ARCN1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

ARCN1 Antibody (Center) - 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.

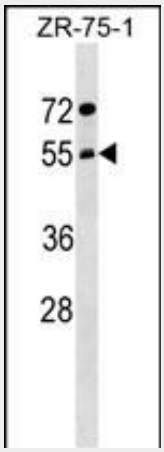
Tissue Location
Ubiquitously expressed.

ARCN1 Antibody (Center) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ARCN1 Antibody (Center) - Images



ARCN1 Antibody (Center) (Cat. #AP17651c) western blot analysis in ZR-75-1 cell line lysates (35ug/lane).This demonstrates the ARCN1 antibody detected the ARCN1 protein (arrow).

ARCN1 Antibody (Center) - Background

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

ARCN1 Antibody (Center) - 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)