

For Research Use Only

ARCN1 Polyclonal antibody

Catalog Number: 23843-1-AP

4 Publications



Basic Information

Catalog Number:

23843-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG20836

GenBank Accession Number:

BC093636

GeneID (NCBI):

372

UNIPROT ID:

P48444

Full Name:

archain 1

Calculated MW:

511 aa, 57 kDa

Observed MW:

57 kDa, 47 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:16000

IHC 1:20-1:200

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells, HepG2 cells, A549 cells, Jurkat cells, mouse pancreas tissue, rat pancreas tissue

IHC : human testis tissue,

IF/ICC : HepG2 cells,

Background Information

Archain 1 (ARCN1), also known as delta-COP, is a subunit of the coat protein I (COPI) complex, which comprises one of the protein coats that mediate vesicle budding from the membrane. Protein sequences of ARCN1 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. The gene of ARCN1 has been identified in chromosome band 11q23.3, and sequencing of cDNAs suggests that at least two forms of mRNA with alternative 5' ends are present. (PMID: 7782067; 20502676)

Notable Publications

Author	Pubmed ID	Journal	Application
Zhiping Feng	35788181	Nat Chem Biol	WB
Aparna Bhaduri	31996853	Nature	IHC
Mara C Harwood	36662862	Sci Adv	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

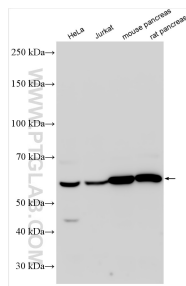
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

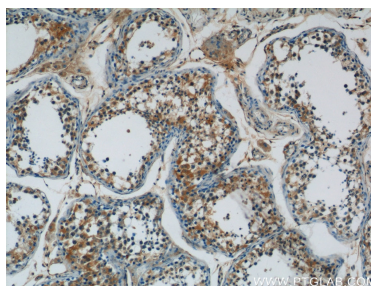
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

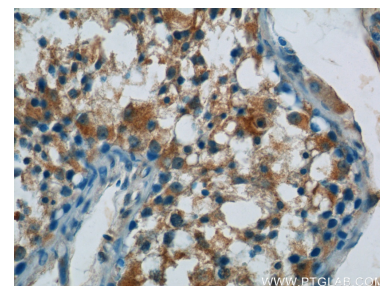
Selected Validation Data



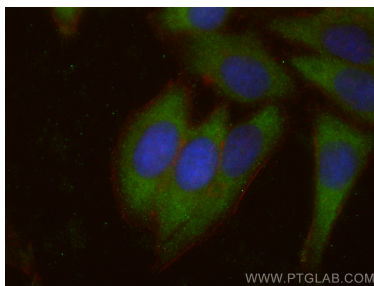
Various lysates were subjected to SDS PAGE followed by western blot with 23843-1-AP (ARC1 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 23843-1-AP (ARC1 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 23843-1-AP (ARC1 Antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using ARC1 antibody (23843-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).