

For Research Use Only

ATAT1 Polyclonal antibody

Catalog Number: 28828-1-AP

Featured Product

1 Publications



Basic Information

Catalog Number: 28828-1-AP	GenBank Accession Number: NM_001031722	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 µg/ml by Nanodrop;	GeneID (NCBI): 79969	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500 IF 1:50-1:500
Source: Rabbit	Full Name: chromosome 6 open reading frame 134	
Isotype: IgG	Calculated MW: 47 kDa	
Immunogen Catalog Number: AG28757	Observed MW: 42-45 kDa	

Applications

Tested Applications:
FC, IF, IHC, WB, ELISA

Cited Applications:
WB

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: A549 cells, U-251 cells, THP-1 cells, U-87 MG cells

IHC: rat testis tissue, mouse testis tissue

IF: A549 cells,

Background Information

C6orf134 is a reported alias name for the human gene ATAT1 coding alpha-tubulin N-acetyltransferase 1, and specifically acetylates 'Lys-40' in alpha-tubulin on the luminal side of microtubules. May affect microtubule stability and regulate microtubule dynamics. May be involved in neuron development. Western blot shows a band between 36 kDa and 45 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Dongsheng Wen	37457658	MedComm (2020)	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

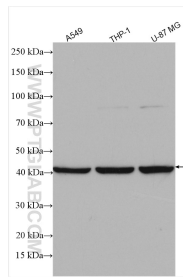
For technical support and original validation data for this product please contact:

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

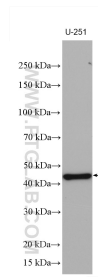
E: proteintech@ptglab.com
W: ptglab.com

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

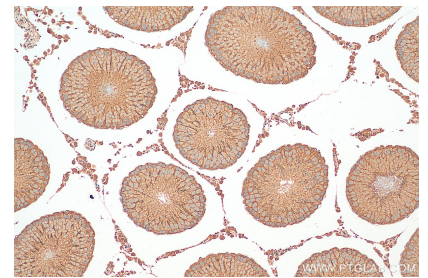
Selected Validation Data



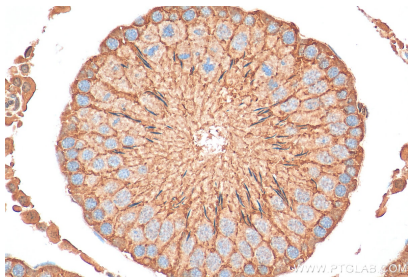
Various lysates were subjected to SDS PAGE followed by western blot with 28828-1-AP (ATAT1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



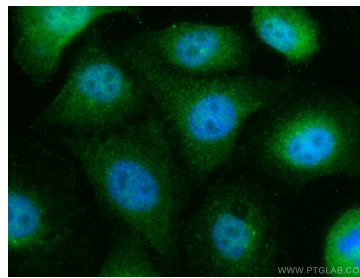
U-251 cells were subjected to SDS PAGE followed by western blot with 28828-1-AP (ATAT1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



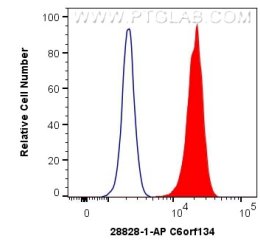
Immunohistochemical analysis of paraffin-embedded rat testis tissue slide using 28828-1-AP (ATAT1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat testis tissue slide using 28828-1-AP (ATAT1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed A549 cells using ATAT1 antibody (28828-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1×10^6 A431 cells were intracellularly stained with 0.4 ug Anti-Human ATAT1 (28828-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).