

For Research Use Only

# ATAT1 Polyclonal antibody

Catalog Number: 28828-1-AP

Featured Product

6 Publications



## Basic Information

Catalog Number:

28828-1-AP

Size:

450 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG28757

GenBank Accession Number:

NM\_001031722

GeneID (NCBI):

79969

UNIPROT ID:

Q55QI0

Full Name:

chromosome 6 open reading frame

134

Calculated MW:

47 kDa

Observed MW:

42-45 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

IF/ICC 1:50-1:500

## Applications

Tested Applications:

WB, IHC, IF/ICC, FC (Intra), ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

**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/ICC : 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
Xi Xie	39639346	Cancer Cell Int	WB
Xinying Cai	39516485	Cell Death Dis	WB
Tiancheng Bao	39383832	Biochem Biophys Res Commun	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

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

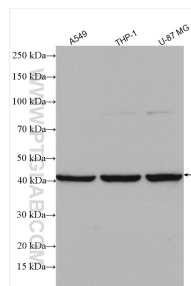
T: 4006900926

E: Proteintech-CN@ptglab.com

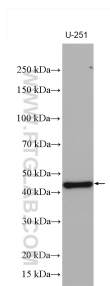
W: ptgcn.com

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

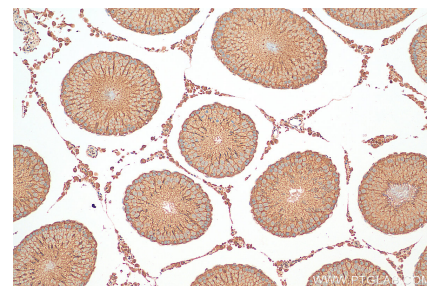
## Selected Validation Data



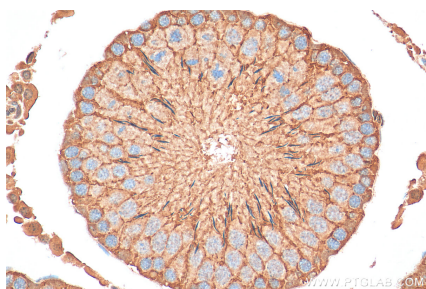
Various lysates were subjected to SDS PAGE followed by western blot with 28828-1-AP (ATAT1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



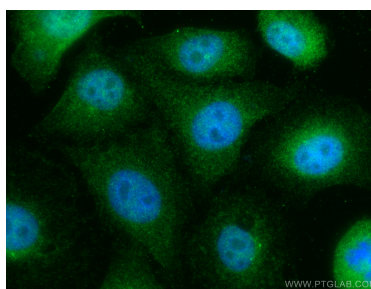
U-251 cells were subjected to SDS PAGE followed by western blot with 28828-1-AP (ATAT1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



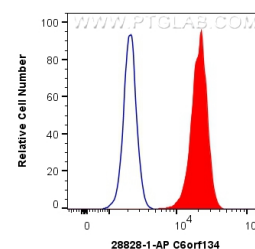
Immunohistochemical analysis of paraffin-embedded rat testis tissue slide using 28828-1-AP (ATAT1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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 Goat Anti-Rabbit IgG(H+L).



1X10<sup>6</sup> A431 cells were intracellularly stained with 0.4 ug Anti-Human ATAT1 (28828-1-AP) and CoraLite®488-Conjugated 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).