

For Research Use Only

# ATIC Recombinant monoclonal antibody, PBS Only

Catalog Number: 84798-5-PBS



## Basic Information

Catalog Number: 84798-5-PBS	GenBank Accession Number: BC008879	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 471	CloneNo.: 242324C8
Isotype: IgG	UNIPROT ID: P31939	
Immunogen Catalog Number: AG1052	Full Name: 5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase	
	Calculated MW: 65 kDa	
	Observed MW: 62 kDa	

## Applications

Tested Applications:  
WB, IF/ICC, FC (Intra), Indirect ELISA

Species Specificity:  
human

## Background Information

5-Aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase (ATIC, also known as AICAR) is an enzyme that can catalyze the last two reactions in the de novo purine biosynthetic pathway. It has been previously reported to be upregulated and to participate in myeloma and hepatocellular carcinoma progression (PMID: 35251351).

## Storage

Storage:  
Store at -80°C.  
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:  
PBS only, pH7.3

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

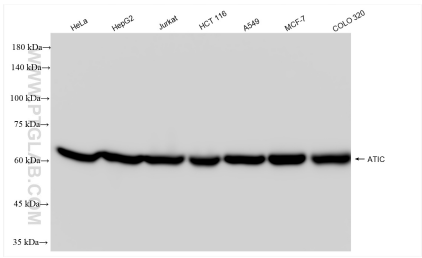
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

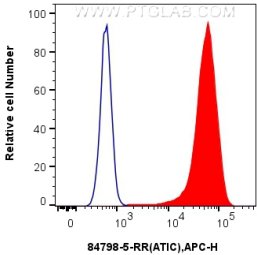
W: [ptgcn.com](http://ptgcn.com)

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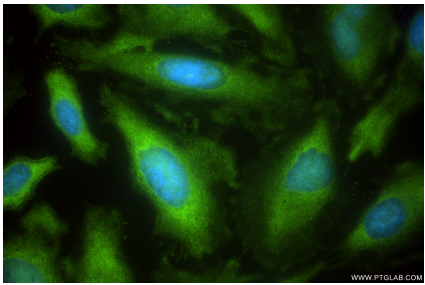
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84798-5-RR (ATIC antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84798-5-PBS in a different storage buffer formulation.



1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.25 ug ATIC Recombinant antibody (84798-5-RR, Clone:242324C8) and APC-Conjugated Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer. This data was developed using the same antibody clone with 84798-5-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using ATIC antibody (84798-5-RR, Clone: 242324C8 ) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 84798-5-PBS in a different storage buffer formulation.