

For Research Use Only

ATIC Recombinant antibody

Catalog Number: 84798-5-RR



Basic Information

| | | |
|--|---|---|
| Catalog Number: 84798-5-RR | GenBank Accession Number: BC008879 | Purification Method: Protein A purification |
| Concentration: 1000 µg/ml | GeneID (NCBI): 471 | CloneNo.: 242324C8 |
| Source: Rabbit | UNIPROT ID: P31939 | Recommended Dilutions: WB 1:5000-1:50000 IHC 1:200-1:800 |
| Isotype: IgG | Full Name: 5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase | |
| Immunogen Catalog Number: AG1052 | Calculated MW: 65 kDa | |
| | Observed MW: 62 kDa | |

Applications

| | |
|---|---|
| Tested Applications: WB, IHC, FC (Intra), ELISA | Positive Controls: |
| Species Specificity: human | WB : HeLa cells, HepG2 cells, Jurkat cells, HCT 116 cells, A549 cells, MCF-7 cells, COLO 320 cells |
| Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 | IHC : human colon cancer tissue, |

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 -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:

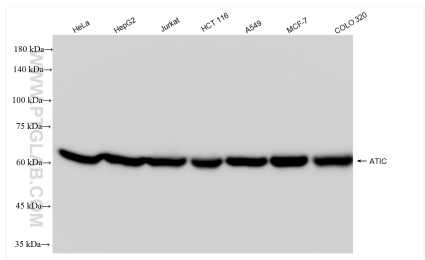
T: 4006900926

E: Proteintech-CN@ptglab.com

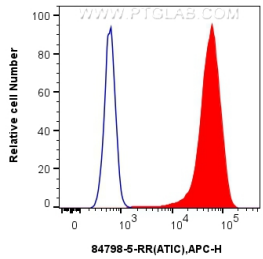
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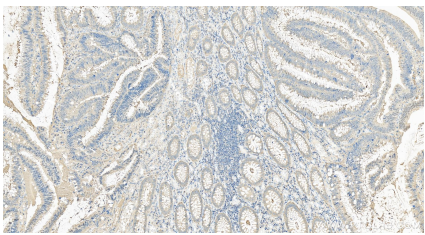
Selected Validation Data



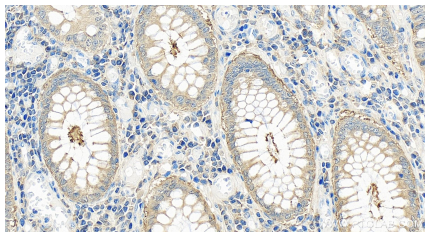
Various lysates were subjected to SDS PAGE followed by western blot with 84798-5-RR (ATIC antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1x10⁶ 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 (PF00011-C).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 84798-5-RR (ATIC antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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