

(Tel: 400-999-8863 **(** Emall:Upingbio.163.com



ATIC mouse mAb

Catalog No YP-Ab-02363 Isotype IgG Reactivity Human;Mouse;Rat Applications WB Gene Name atic Protein Name Immunogen Purified recombinant human ATIC protein fragments expressed in E.coli. Specificity This antibody detects endogenous levels of ATIC and does not cross-react with related proteins. Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Monoclonal, Mouse Purification The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen. Dilution wb 1:1000 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms 5 aminoimidazole 4 carboxamide 1 beta D ribonucleotide formyltransferase; 5 aminoimidazole 4 carboxamide ribonucleotide formyltransferase; 5 aminoimidazole 4 carboxamide ribonucleotide formyltransferase; 6 aminoimidazole 4 carboxamide ribonucleotide formyltransferase; 6 aminoimidazole 4 carboxamide ribonucleotide formyltransferase; MP cyclohydrolase; 5-aminoimidazole 4-carboxamide ribonucleotide formyltransferase; MP cyclohydrolase; MP cyclohydro		
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exosome, Tissue Specificity Present in the heart, brain, placenta, lung, liver, skeletal muscle, kidney,		
	Cell Pathway	
	Tissue Specificity	



UpingBio technology Co.,Ltd

📞 Tel: 400-999-8863 🗷 Email:Upingbio.163.com



Function

catalytic activity:10-formyltetrahydrofolate +

5-amino-1-(5-phospho-D-ribosyl)imidazole-4-carboxamide = tetrahydrofolate + 5-formamido-1-(5-phospho-D-ribosyl)imidazole-4-carboxamide.,catalytic activity:IMP + H(2)O =

5-formamido-1-(5-phospho-D-ribosyl)imidazole-4-carboxamide.,disease:Defects in ATIC are the cause of AICA-ribosuria [MIM:608688]; also known as AICA-ribosiduria. AICA-ribosuria is a neurologically devastating inborn error of purine biosynthesis. AICA-ribosuria patients excrete massive amounts of AICA-riboside in the urine and accumulate AICA-ribotide and its derivatives in erythrocytes and fibroblasts. AICA-ribosuria causes profound mental retardation, epilepsy, dysmorphic features and congenital blindness.,domain:The IMP cyclohydrolase activity resides in the N-terminal region.,pathway:Purine

metabolism; IMP biosynthesis via de novo pathway;

5-formamido-1-(5-phospho-D-ribosy

Background

This gene encodes a bifunctional protein that catalyzes the last two steps of the de novo purine biosynthetic pathway. The N-terminal domain has phosphoribosylaminoimidazolecarboxamide formyltransferase activity, and the C-terminal domain has IMP cyclohydrolase activity. A mutation in this gene results in AICA-ribosiduria. [provided by RefSeq, Sep 2009],

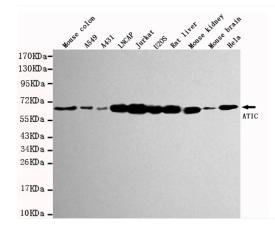
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot detection of ATIC in various tissues and cell lysates using ATIC mouse mAb (1:1000 diluted). Predicted band size: 64KDa. Observed band size:64KDa.