



## ATIC mouse mAb

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 transformylase/inosinicase;5 aminoimidazole 4 carboxamide ribonucleotide formyltransferase;5 aminoimidazole 4 carboxamide ribonucleotide formyltransferase;1MP cyclohydrolase;5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase;AlCAR;AlCAR formyltransferase/IMP cyclohydrolase bifunctional enzyme;AlCAR transformylase;AlCARFT;AlCARFT/IMPCHASE;ATIC; Bifunctional purine biosynthesis protein PURH;FLJ93545;IMP cyclohydrolase;IMP synthase;IMP synthetase;IMPCHASE;Inosinicase;OK/SW-cl.86; Phosphoribosylaminoimidazolecarboxamide formyltransferase; Phosphoribosylaminoimidazolecarboxamide formyltransferase/IMP cyclohydrolase;PUR9_HUMAN; PURH.       Dilution     1 mg/ml       Synthetase     1 mg/ml       Synthetase     2 mg/ml       Synthetase     3 mg/ml       Synthetase		
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 transformylase/inosinicase;5 aminoimidazole 4 carboxamide ribonucleotide formyltransferase;9 minoimidazole 4 carboxamide ribonucleotide formyltransferase;4ICAR;AICAR formyltransferase/IMP cyclohydrolase;5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase;AICAR;AICAR formyltransferase/IMP cyclohydrolase bifunctional enzyme;AICAR;TIMPCHASE;ATIC; Bifunctional purine biosynthesis protein PURH;FLJ93545;IMP cyclohydrolase;IMP synthetase;IMP synthetase;IMPCHASE;Inosinicase;OK/SW-dl.86; Phosphoribosylaminoimidazolecarboxamide formyltransferase/IMP cyclohydrolase;PUR9_HUMAN; PURH.	Catalog No	BYab-02363
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 transformylase/inosinicase;5 aminoimidazole 4 carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase;5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase;5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase;5-IMP cyclohydrolase;5-IMP cyclohydrolase;5-IMP synthetase;1MP synthetase;1MP cyclohydrolase;1MP cyclohydrolase;1MP synthase;1MP synthase;1MP synthase;1MP cyclohydrolase;2MCAR;1,1MP cyclohydrolase;1MP synthase;1MP cyclohydrolase;4-carboxamide formyltransferase; Phosphoribosylaminoimidazolecarboxamide formyltransferase; Phosphoribosylaminoimidazolecarboxamide formyltransferase/IMP cyclohydrolase;PUR9_HUMAN; PURH.	Isotype	IgG
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 transformylase/inosinicase;5 aminoimidazole 4 carboxamide ribonucleotide formyltransferase;5 aminoimidazole 4 carboxamide ribonucleotide formyltransferase;1 aminoimidazole 4 carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase ifunctional purine biosynthesis protein PURH;FLJ93545;IMP cyclohydrolase;IMP synthase;IMP synthesis protein PURH;FLJ93545;IMP cyclohydrolase;IMP synthase;IMP cyclohydrolase;IMP cyclohydrolase;IMP cyclohydrolase;PUR9_HUMAN; PURH.	Reactivity	Human;Mouse;Rat
Immunogen	Applications	WB
Immunogen	Gene Name	atic
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 transformylase/inosinicase;5 aminoimidazole 4 carboxamide ribonucleotide formyltransferase;4 minoimidazole 4 carboxamide ribonucleotide formyltransferase;4 minoimidazole 4 carboxamide ribonucleotide ribonucleotide formyltransferase;AICAR;AICAR formyltransferase/IMP cyclohydrolase bifunctional enzyme;AICAR transformylase;AICARFT;AICARFT/IMPCHASE;ATIC; Bifunctional purine biosynthesis protein PURH;FLJ93545;IMP cyclohydrolase;IMP synthase;IMP synthase;IMPCHASE;Inosinicase;OK/SW-cl.86; Phosphoribosylaminoimidazolecarboxamide formyltransferase/IMP cyclohydrolase;PUR9_HUMAN; PURH.	Protein Name	
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  290%  Storage Stability  -20°C/1 year  Synonyms  5 aminoimidazole 4 carboxamide 1 beta D ribonucleotide transformylase/inosinicase;5 aminoimidazole 4 carboxamide ribonucleotide formyltransferase;5 aminoimidazole 4 carboxamide ribonucleotide formyltransferase;1MP cyclohydrolase bifunctional enzyme;AICAR formyltransferase/IMP cyclohydrolase bifunctional enzyme;AICAR formyltransferase/IMP synthesis protein PURH;FLJ93545;IMP cyclohydrolase;IMP synthase;IMP synthesis protein PURH;FLJ93545;IMP cyclohydrolase;IMP synthase;IMP synthesis protein PURH;FLJ93545;IMP cyclohydrolase;IMP synthase;IMP synthesis;IMP cyclohydrolase;PUR9_HUMAN; PURH.	Immunogen	Purified recombinant human ATIC protein fragments expressed in E.coli.
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Purity ≥90%  Storage Stability -20°C/1 year  Synonyms 5 aminoimidazole 4 carboxamide 1 beta D ribonucleotide transformylase/inosinicase;5 aminoimidazole 4 carboxamide ribonucleotide formyltransferase;5 aminoimidazole 4 carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase;5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase;AICAR;AICAR formyltransferase/IMP cyclohydrolase bifunctional enzyme;AICAR transformylase;AICARFT;AICARFT/IMPCHASE;ATIC; Bifunctional purine biosynthesis protein PURH;FLJ93545;IMP cyclohydrolase;IMP synthase;IMP synthetase;IMPCHASE;Inosinicase;OK/SW-cl.86; Phosphoribosylaminoimidazolecarboxamide formyltransferase; Phosphoribosylaminoimidazolecarboxamide formyltransferase/IMP cyclohydrolase;PUR9_HUMAN; PURH.	Dilution	wb 1:1000
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	Observed Band	64kD

Nanjing BYabscience technology Co.,Ltd

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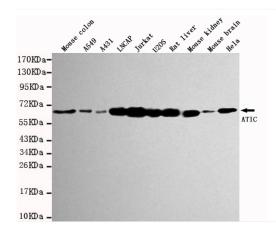


国内优质抗体供应商 精准的 WB 检测服务 24H 在线服务, 欢迎咨询



Cell Pathway	mitochondrion,cytosol,cell-cell adherens junction,membrane,extracellular exosome,
Tissue Specificity	Present in the heart, brain, placenta, lung, liver, skeletal muscle, kidney, pancreas.
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.

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