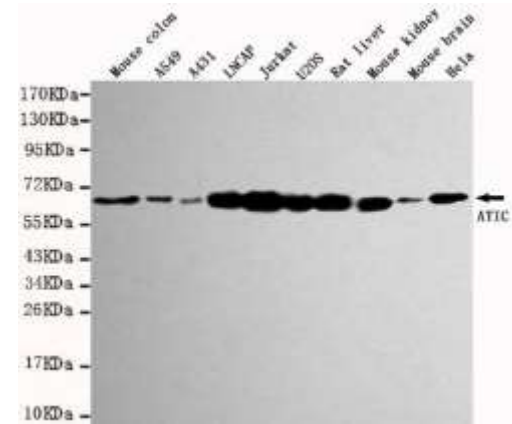


Anti-ATIC Antibody (3H12-C9-H9)

CATALOG NO:	A1331-100
AMOUNT:	100 µg
ALTERNATIVE NAMES:	Bifunctional purine biosynthesis protein PURH, 5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase, AICAR transformylase, IMP cyclohydrolase, IMP synthase, Inosinase
CLONALITY:	Monoclonal
CLONE:	3H12-C9-H9
Host/ISOTYPE:	Mouse IgG1
IMMUNOGEN:	Recombinant human ATIC protein fragments expressed in <i>E.coli</i>
MOLECULAR WEIGHT:	64 kDa
SPECIES REACTIVITY:	Human, Mouse, Rat
SPECIFICITY:	This antibody detects endogenous levels of ATIC and does not cross-react with related proteins.
PURIFICATION:	Affinity purified
FORM:	Liquid
FORMULATION:	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol
STORAGE CONDITIONS:	For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
DESCRIPTION:	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.
APPLICATION:	WB; 1:1000

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



Western blot detection of ATIC in using ATIC Antibody in:

Lane 1: Mouse colon tissue lysate
 Lane 2: A549 cell lysate
 Lane 3: A431 cell lysate
 Lane 4: LNCaP cell lysate
 Lane 5: Jurkat cell lysate
 Lane 6: U2OS cell lysate
 Lane 7: Rat liver tissue lysate
 Lane 8: Mouse kidney tissue lysate
 Lane 9: Mouse brain tissue lysate
 Lane 10: HeLa cell lysate

RELATED PRODUCTS:

- 5-hmC polyclonal antibody (rabbit) (**Cat. No. 6830**)
- Acetyl Lysine (Biotin) Antibody (**Cat. No. 6125**)
- Acetyl-Histone H2A Antibody (**Cat. No. 3653**)
- Anti- c-Myb Antibody (**Cat. No. A1212**)

FOR RESEARCH USE ONLY! Not to be used on humans.