



ATIC

Mouse monoclonal Antibody

#53512

Catalog Number: 53512

Amount: 100µg/100µl

Swiss-Prot No. : P31939

Gene name: atic

Gene id: 471

Clone Number: 3H12-C9-H9

Form of Antibody: Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol

Storage/Stability: Store at -20°C/1 year

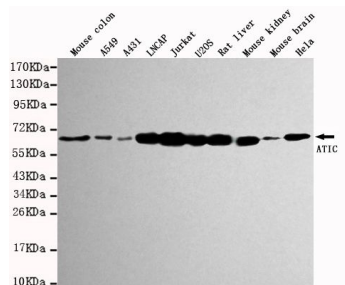
Immunogen: Purified recombinant human ATIC protein fragments expressed in E.coli

Purification: affinity-chromatography

Specificity/Sensitivity: This antibody detects endogenous levels of ATIC and does not cross-react with related proteins

Reactivity: Human, Mouse, Rat

Applications: Predicted MW: 64kd WB: 1:1000



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.

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.