



# 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

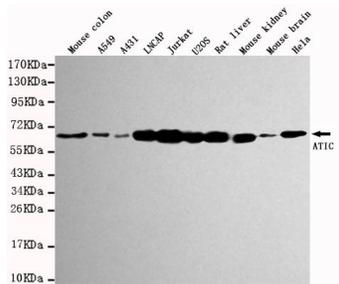
**Immunogen:** Purified recombinant human ATIC protein fragments expressed in E.coli

**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.