

Product datasheet for TA346887S

OriGene Technologies, Inc.

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ATIC Mouse Monoclonal Antibody [Clone ID: 3H12-C9-H9]

Product data:

Product Type: Primary Antibodies

Clone Name: 3H12-C9-H9

Applications: WB

Recommended Dilution: WB: 1:1000

Reactivity: Human, Mouse, Rat

Host: Mouse Isotype: IgG1

Clonality: Monoclonal

Immunogen: The immunogen for ATIC antibody: purified recombinant human ATIC protein fragments

expressed in E.coli.

Formulation: Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with

0.02% sodium azide, 50%, glycerol

Purification: Affinity purified Conjugation: Unconjugated

Storage: Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

Predicted Protein Size: 64 kDa

Gene Name: 5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase

Database Link: NP 004035

Entrez Gene 81643 RatEntrez Gene 108147 MouseEntrez Gene 471 Human

P31939

Background: This gene encodes a bifunctional protein that catalyzes the last two steps of the de novo

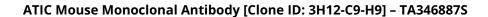
purine biosynthetic pathway. The N-terminal domain has

phosphoribosylaminoimidazolecarboxamide formyltransferase activity, and the C-terminal domain has IMP cyclohydrolase activity. A mutation in this gene results in AICA-ribosiduria.

Synonyms: AICAR; AICARFT; HEL-S-70p; IMPCHASE; PURH

Protein Families: Stem cell - Pluripotency







Protein Pathways: Metabolic pathways, One carbon pool by folate, Purine metabolism