

## Product datasheet for **TA346887**

### 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:	<a href="#">NP_004035</a> <a href="#">Entrez Gene 81643 Rat</a> <a href="#">Entrez Gene 108147 Mouse</a> <a href="#">Entrez Gene 471 Human</a> <a href="#">P31939</a>
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



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