

Product datasheet for **TA339263**

ATIC Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human, Hamster
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-ATIC antibody: synthetic peptide directed towards the N terminal of human ATIC. Synthetic peptide located within the following region: YVWSTEMQSSSEKDTSLERRLALKAFTHTAQYDEAISDYFRKQYSGK
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Protein A 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 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. [provided by RefSeq, Sep 2009]



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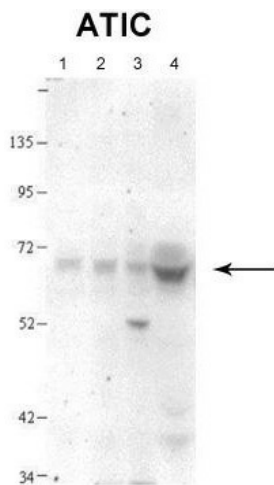
Synonyms: AICAR; AICARFT; HEL-S-70p; IMPCHASE; PURH

Note: Immunogen Sequence Homology: Pig: 100%; Rat: 100%; Human: 100%; Mouse: 100%; Yeast: 100%; Rabbit: 100%; Guinea pig: 100%; Dog: 93%; Horse: 93%; Bovine: 93%; Zebrafish: 85%

Protein Families: Stem cell - Pluripotency

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

Product images:



Sample Type: 1. Hamster CHO K1 cells (20ug); 2. HeLa skin cells (20ug); 3. HEK273 cells (20ug); 4. Human Skin Fibroblats (100ug); Primary Dilution: 1: 800; Secondary Antibody: Clean-Blot IP detection Reagent and Kit; Secondary Dilution: 1: 2000; Image Subm



WB Suggested Anti-ATIC Antibody Titration: 1.25 ug/ml; Positive Control: HepG2 cell lysate.ATIC is supported by BioGPS gene expression data to be expressed in HepG2