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Product datasheet for TA327986

ATIC Mouse Monoclonal Antibody [Clone ID: F38P7H9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	F38P7H9
Applications:	WB
Recommend Dilution:	WB
Reactivity:	Frog, Human, Mouse, Rat, Fruit fly
Host:	Mouse
Isotype:	IgG1, kappa
Clonality:	Monoclonal
Immunogen:	Ovalbumin-conjugated synthetic Peptide AHTNLRLFHH
Formulation:	This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide at 0.5 mg/ml.
Concentration:	0.5 mg/ml
Purification:	The antibody was purified by affinity chromatography.
Predicted Protein Size:	65 kD
Gene Name:	5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase
Database Link:	NP_004035 Entrez Gene 81643 RatEntrez Gene 108147 MouseEntrez Gene 471 Human
Background:	ATIC (AICAR transformylase/IMP cyclohydrolase) belongs to the purH family, expressed in the cytoplasm, predicted molecular weight approximately 65 kD. ATIC catalyzes the penultimate and final steps in the de novo purine nucleotide biosynthesis pathway. ATIC acts as a bifunctional enzyme catalyze the formation of FAICAR and IMP. AICA-ribosiduria is a recently discovered inherited metabolic disease caused by a defect in final steps of purine de novo biosynthesis. Clone F38P7H9 has been shown to be useful for western blotting and immunohistochemistry of human, mouse, rat, frog and fruit fly ATIC.
Synonyms:	AICAR; AICARFT; HEL-S-70p; IMPCHASE; PURH
Protein Families:	Stem cell - Pluripotency
Protein Pathways:	Metabolic pathways, One carbon pool by folate, Purine metabolism

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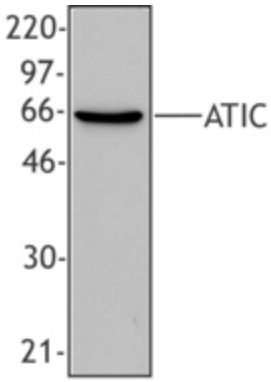
Product images:



Western blot analysis of extract from Hela cells using anti-ATIC, clone F38P7H9.