

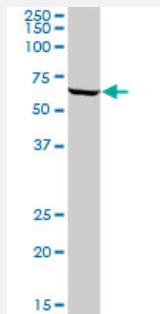
MaxPab®

ATIC purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00000471-B01P

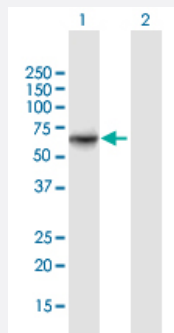
Size 50 ug

Applications



Western Blot (Tissue lysate)

ATIC MaxPab polyclonal antibody. Western Blot analysis of ATIC expression in human liver.



Western Blot (Transfected lysate)

Western Blot analysis of ATIC expression in transfected 293T cell line ([H00000471-T01](#)) by ATIC MaxPab polyclonal antibody.

Lane 1: ATIC transfected lysate(65.12 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human ATIC protein.

Immunogen

ATIC (NP_004035.2, 1 a.a. ~ 592 a.a) full-length human protein.

Sequence	MAPGQLALFSVSDKTGLVEFARNLTALGLNLVASGGTAKALRDAGLAVRDVSEL TGFPEMLGGR VKTLHPAVHAGILARNIPEDNADMARLDFNLIRVVACNLYPFVKTVASPGVTVEEAVEQIDIGGVTL LRAAAKNHARVTVVCEPEDYVVVSTEMQSSSESKDTSLETRRQLALKAFTHTAQYDEAISDYFRKQ YSKGVSQMPLRYGMNPHQTPAQLYTLQPKLPITVLNGAPGFINLCDALNAWQLVKELKEALGIPAA ASFKHVSPAGAAVGIPLSEDEAKVCMVYDLYKTLTPISAA YARARGADRMSSFGDFVALSDVCD VPTAKIISREVSDGIAPGYEEEEALTILSKKKNGNYCVLQMDQSYKPDENEVRTLFGLHLSQKRNG VVDKSLFSNVVTKNKDLPE SALRDLVATIAVKYTSNSVCYAKNGQVIGIGAGQQSRIHCTRLAGD KANYWWLRHHPQVLSMKFKTG VKRAEISNAIDQYVTGTIGEDEDLIKWKALFEEVPELLTEAEKKE WWEKLTEVSISSDAFFPFRDNVDRAKRSGVAYIAAPSGSAADKVVIEACDELGIILAHTNLRLFHH
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

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[Protocol Download](#)

Gene Info — ATIC

Entrez GeneID	471
GeneBank Accession#	NM_004044.4
Protein Accession#	NP_004035.2
Gene Name	ATIC
Gene Alias	AICAR, AICARFT, FLJ93545, IMPCHASE, PURH

Gene Description	5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase
Omim ID	601731 608688
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	AICARFT/IMPCHASE

Pathway

- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Biosynthesis of plant hormones](#)
- [Metabolic pathways](#)
- [One carbon pool by folate](#)
- [Purine metabolism](#)

Disease

- [Arthritis](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colorectal Neoplasms](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Gastrointestinal Diseases](#)
- [Genetic Predisposition to Disease](#)
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- [Psoriasis](#)
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