

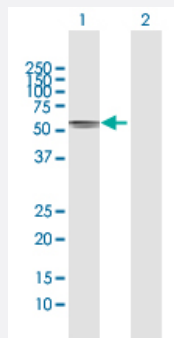
MaxPab®

ATIC MaxPab rabbit polyclonal antibody (D01)

Catalog # H00000471-D01

Size 100 uL

Applications

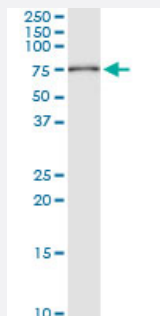


Western Blot (Transfected lysate)

Western Blot analysis of ATIC expression in transfected 293T cell line ([H00000471-T02](#)) by ATIC MaxPab polyclonal antibody.

Lane 1: ATIC transfected lysate (64.60 KDa).

Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of ATIC transfected lysate using anti-ATIC MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with ATIC purified MaxPab mouse polyclonal antibody (B01P) ([H00000471-B01P](#)).

Specification

Product Description

Rabbit 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 LRAAAKNHARVTVVCEPEDYVVVSTEMQSSSESKDTSLETRRQLALKAFHTAQYDEAISDYFRKQ YSKGVSQMPLRYGMNPHQTPAQLYTLQPKLPITVLNGAPGFINLCDALNAWQLVKELKEALGIPAA ASFKHVS PAGA AVGIPLSEDEAKVCMVYDLYKTLTPISAA YARARGADRMSSFGDFVALSDVCD VPTAKIISREVSDGIAPGYEEEEALTILSKKKNGNYCVLQMDQSYKPDENEVRTLFGLHLSQKRNG VVDKSLFSNVVTKNKDLPE SALRDLVATIAVKYTSNSVCYAKNGQVIGIGAGQQSRIHCTRLAGD KANYWWLRHHPQVLSMKFKTG VKRAEISNAIDQYVTGTIGEDEDLIKWKALFEEVPELLTEAEKKE WWEKLTEVSISSDAFFPFRDNVDRAKRSGVAYIAAPSGSAADKVVIEACDELGIILAHTNLRLFHH
Host	Rabbit
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

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[Protocol Download](#)

- Immunoprecipitation

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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](#)

- [Liver Diseases](#)
- [Psoriasis](#)
- [Spinal Dysraphism](#)
- [Venous Thrombosis](#)