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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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ATIC purified MaxPab rabbit polyclonal antibody (D01P) MaxPab®

Catalog # : H00000471-D01P

規格 : [100 ug]

[List All](#)

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:
 MAPGQLALFSVSDKTGLVEFARNLTALGLNLVASGGTAKALRDAGLAVR
 DVSELTGFPEMLGGRVKTLPVAVHAGILARNIPEDNADMARLDFNLIRVV
 ACNLYPFVKTVASPGVTVEEAVEQIDIGGVTLRRAAKNHARVTVVCEPE
 DYVWSTEMQSSES KDTLETRRQLALKAFTHTAQYDEAISDYFRKQYS
 KGVSQMPLRYGMNPHQTPAQLYTLQPKLPITVLNGAPGFINLCDALNAW
 QLVKELKEALGIPAAASFKHVSPAGAAVGIPLSEDEAKVCMYDLYKTLTP
 ISAAAYARARGADRMSSF GDFVALSDVCDVPTAKIISREVS DGIIAPGYEEE
 ALTILSKKNGNYCVLQMDQSYKPDENEVRTLFLGLHLSQKRNGVVDKS
 LFSNVVTKNKDLPEALRDLIVATIAVKYTSNSVCYAKNGQVIGIGAGQQ
 SRIHCTRLAGDKANYWWLRHHPQVLSMKFKTGVKRAEISNAIDQYVTGTI
 GEDEDLIKWKALFEVPELLTEAEKKEWVEKLTEVSISSDAFFPFRDNVD
 RAKRSGVAYIAAPSGSAADKVVIEACDELGIIAHTNLRLFFHH

Host: Rabbit

Reactivity: Human

Quality Control Testing: Antibody reactive against mammalian transfected lysate.

Storage Buffer: In 1x PBS, pH 7.4

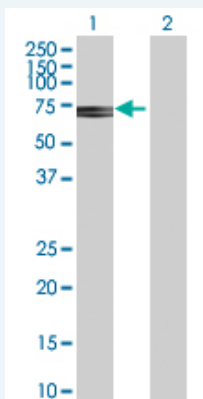
Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

MSDS:  [Download](#)

Datasheet:  [Download](#)

Applications

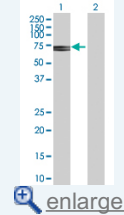
Western Blot (Transfected lysate)



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

Application Image

Western Blot (Transfected lysate)



Lane 1: ATIC transfected lysate(64.60 KDa).
Lane 2: Non-transfected lysate.

 [Protocol Download](#)

Gene Information

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

Gene Pathway

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

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