

DNAxPAb

Hard-to-Find
Antibody

ATIC DNAxPab

Catalog # H00000471-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human ATIC DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MAPGQLALFSVSDKTGLVEFARNLTALGLNLVASGGTAKALRDAGLAVRDVSELTGFPEMLGGR VKTLHPAVHAGILARNIPEDNADMARLDFNLIRVVACNLYPFVKTVASPGVTVEEAVEQIDIGGVTL LRAAAKNHARVTVVCEPEDYVVVSTEMQSSSEKDOTSLETRRQLALKAFHTHTAQYDEAISDYFRKQ YSKGVSQMPLRYGMNPHQTPAQLYTLQPKLPITVLNGAPGFINLCDALNAWQLVKELKEALGIPAA ASFKHVSPAGAAVGIPLSEDEAKVCMVYDLYKTLTPISAAYARARGADRMSSFGDFVALSDVCD VPTAKIISREVSDGIAPGYEEEEALTILSKKKNGNYCVLQMDQSYKPDENEVRTLFGHLHSQKRNG VVDKSLFSNVVTKNKDLPEALRDLIVATIAVKYTSNSVCYAKNGQVIGIGAGQQSRIHCTRLAGD KANYWWLRHHPQVLSMKFKTGKRAEISNAIDQYVTGTIGEDEDLIKWKALFEEVPELLTEAEKKE WWEKLTEVSISSDAFFPFRDNVDRAKRSKVAYIAAPSGSAADKVVEACDELGIILAHNTNLRLFHH
Host	Rabbit
Reactivity	Human
Purification	Protein A
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.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

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](#)