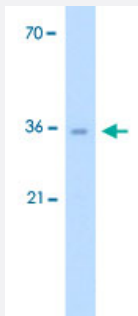


ATIC polyclonal antibody

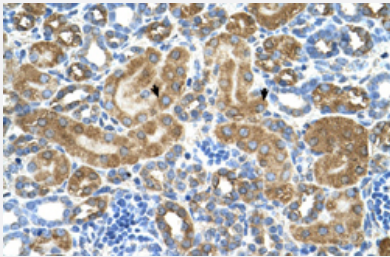
Catalog # PAB29975 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of Jurkat cell lysate with ATIC polyclonal antibody (Cat # PAB29975) at 5 ug/mL working concentration.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney with ATIC polyclonal antibody (Cat # PAB29975) at 4-8 ug/mL working concentration.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of human ATIC.
Immunogen	A synthetic peptide corresponding to internal region of human ATIC.
Sequence	RTLFLGLHLSQKRNGVVDKSLFSNVVTKNKDLPESALRDLVATIIVKYT
Host	Rabbit
Theoretical MW (kDa)	30
Reactivity	Human
Form	Liquid

Purification	Protein A purification
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (4-8 ug/mL) Western Blot (5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (2% sucrose, 0.09% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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Gene Info — ATIC

Entrez GeneID	471
GeneBank Accession#	NM_004044
Protein Accession#	EAW70527;P31939
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]

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](#)