

PAICS rabbit monoclonal antibody

Catalog # H00010606-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human PAICS peptide using ARM Technology.
Immunogen	A synthetic peptide of human PAICS is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human PAICS peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — PAICS

Entrez GeneID	10606
GeneBank Accession#	PAICS
Gene Name	PAICS
Gene Alias	ADE2, ADE2H1, AIRC, DKFZp781N1372, MGC1343, MGC5024, PAIS
Gene Description	phosphoribosylaminoimidazole carboxylase, phosphoribosylaminoimidazole succinocarboxamide synthetase
Omim ID	172439
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a bifunctional enzyme containing phosphoribosylaminoimidazole carboxylase activity in its N-terminal region and phosphoribosylaminoimidazole succinocarboxamide synthetase in its C-terminal region. It catalyzes steps 6 and 7 of purine biosynthesis. The gene is closely linked and divergently transcribed with a locus that encodes an enzyme in the same pathway, and transcription of the two genes is coordinately regulated. The human genome contains several pseudogenes of this gene. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	AIR carboxylase SAICAR synthetase multifunctional protein ADE2

Pathway

- [Metabolic pathways](#)
- [Purine metabolism](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Psychiatric Status Rating Scales](#)
- [Schizophrenia](#)