

DNAxPAb

Hard-to-Find
Antibody

PAICS DNAxPab

Catalog # H00010606-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human PAICS DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MATAEVLNIGKKLYEGKTKEVYELLDSPGKVLLQSKDQITAGNAARKNHLEGKAAISNKITSCIFQLL QEAGIKTAFTRKCGETAFIAPQCEMPIEWVCRRIATGSFLKRNPGVKEGYKFYPPKVELFFKDDA NNDPQWSEEQLIAAKFCFAGLLIGQTEVDIMSHATQAIFEILEKSWLPQNCTLVDMKIEFGVDVTTK EVLADVIDNDSWRLWPSGDRSQQKDKQSYRDLKEVTPEGLQMVKKNFEWVAERVELLLKSES QCRVVVLMSGTSDLGHCEKIKKACGNFGIPCELRVTSAHKGPDETLRIKAEYEGDGIPTVFVAVAG RSNGLGPVMSGNTAYPVISCPPLTPDWGVQDVWSSLRLPSGLGCSTVLSPEGSAQFAAQIFGLS NHLVWSKLRASILNTWISLKQADKKIRECNL
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 — PAICS

Entrez GeneID	10606
GeneBank Accession#	NM_006452.2
Protein Accession#	NP_006443.1
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](#)