

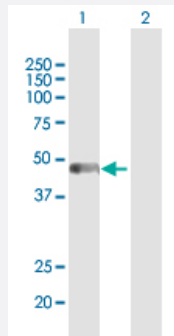
MaxPab®

PAICS purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00010606-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of PAICS expression in transfected 293T cell line ([H00010606-T01](#)) by PAICS MaxPab polyclonal antibody.

Lane 1: PAICS transfected lysate(47.10 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human PAICS protein.
Immunogen	PAICS (NP_006443.1, 1 a.a. ~ 425 a.a) full-length human protein.
Sequence	MATAEVLNIGKKLYEGKTKEVYELLDSPGKVLLQSKDQITAGNAARKNHLEGKAAISNKITSCIFQLL QEAGIKTAFTRKCGETAFIAPQCEMPIEWVCRRIATGSFLKRNPGVKEGYKFYPPKVELFFKDDA NNDPQWSEEQLIAAKFCFAGLLIGQTEVDIMSHATQAIFEILEKSWLPQNCTLVDMKIEFGVDVTTK EVLADVIDNDSWRLWPSGDRSQKDKQSYRDLKEVTPEGLQMVKKNFEWVAERVELLLKSES QCRVVLMGSTSDLGHCEKIKKACGNFGIPCELRVTSAHKGPDETLEKAEYEGDGIPTVFVAVAG RSNGLGPVMSGNTAYPVISCPPLTPDWGVQDVWSSLRLPSGLGCSTVLSPEGSAQFAAQIFGLS NHLVWSKLRASILNTWISLKQADKKIRECNL
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (95); Rat (96)
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)

Western Blot analysis of PAICS expression in transfected 293T cell line ([H00010606-T01](#)) by PAICS MaxPab polyclonal antibody.

Lane 1: PAICS transfected lysate(47.10 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

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](#)