

Datasheet

PAICS monoclonal antibody (M01), clone 4F4

Catalog Number: H00010606-M01

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a full length recombinant PAICS.

Clone Name: 4F4

Immunogen: PAICS (AAH10273, 1 a.a. ~ 425 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:

MATAEVLNIGKKLYEGKTKEVYELLDSPGKVLLQSKDQ
ITAGNAARKNHLEGKAAISNKITSCIFQLQEAGIKTAFT
RKCGETAFIAPQCEMPIEWVCRRIATGSFLKRNPVK
EGYKFYPPKVELFFKDDANNDPQWSEEQLIAAKFCFA
GLLIGQTEVDIMSHATQAIFEILEKSWLPQNCTLVDMKI
EFGVDVTTKEIVLADVIDNDSWRLWPSGDRSQKDKQ
SYRDLKEVTPEGLQMVKKNFVVAERVELLLKSESQC
RVVVLMSGTSDLGHCEKIKKACGNFGIPCELRVTSAHK
GPDETLRIKAEYEGDGIPTVFVAVAGRSNGLGPVMSG
NTAYPVISCPPLTPDWGVQDVWSSLRLPSGLGCSTVL
SPEGSAQFAAQIFGLSNHLVWSKLRAILNTWISLKQA
DKKIRECNL

Host: Mouse

Reactivity: Human

Applications: ELISA, S-ELISA, WB-Ti

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Isotype: IgG2a Kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 10606

Gene Symbol: PAICS

Gene Alias: ADE2, ADE2H1, AIRC, DKFZp781N1372, MGC1343, MGC5024, PAIS

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]