Mouse PAICS Monoclonal Antibody | anti-PAICS antibody

PAICS antibody

CATALOG #	HOST	APPLICATIONS
AAA107105	**Mouse**	**Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

PAICS; Monoclonal Antibody; PAICS antibody; Monoclonal PAICS; Anti-PAICS; Phosphoribosylaminoimidazole Carboxylase Phosphoribosylaminoimidazole Succinocarboxamide Synthetase; ADE2; ADE2H1; AIRC; DKFZp781N1372; MGC1343; MGC5024; PAIS; anti-PAICS antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	1B4
Purity/Purification	PAICS antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	425
Applicable Applications for anti-PAICS antibody	WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	PAICS is 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.
Cross-Reactivity	Human
Immunogen	PAICS antibody was raised in mouse using a full length recombinant protein of human PAICS (NP_006443) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES

IF (Immunofluorescence)
Immunofluorescent staining of COS7 cells transiently transfected with recombinant PAICS protein using PAICS antibody

WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant PAICS protein (Right) or empty vector (Left) detected with PAICS antibody

FCM/FACS (Flow Cytometry)
Flow Cytometric analysis of HEK293T cells transfected with either recombinant PAICS protein (red) or empty vector (blue) stained using PAICS antibody

ADDITIONAL INFORMATION

Related Product Information for anti-PAICS antibody	Mouse monoclonal PAICS antibody
Product Categories/Family for anti-PAICS antibody	Proteases; Inhibitors; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453539
NCBI GeneID	10606
NCBI Accession #	NP_006443
NCBI GenBank Nucleotide #	NM_006452.3
UniProt Accession #	P22234; Q68CQ5; E9PDH9
Molecular Weight	47,958 Da
NCBI Official Full Name	multifunctional protein ADE2 isoform 2
NCBI Official Synonym Full Names	phosphoribosylaminoimidazole carboxylase, phosphoribosylaminoimidazole succinocarboxamide synthetase
NCBI Official Symbol	PAICS
NCBI Official Synonym Symbols	ADE2; AIRC; PAIS; ADE2H1
NCBI Protein Information	multifunctional protein ADE2
UniProt Protein Name	Multifunctional protein ADE2
UniProt Gene Name	**PAICS**
UniProt Synonym Gene Names	ADE2; AIRC; PAIS; AIRC
UniProt Entry Name	PUR6_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/paics-antibody-clone-1b4-western-blot-immunofluorescence-flow-cytometry-elisa/107105