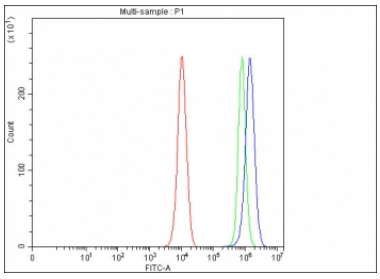
PAICS Antibody / AIRC / ADE2 (RQ8499)

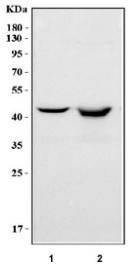
Catalog No.	Formulation	Size
RQ8499	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P22234
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells ELISA : 0.1-0.5ug/ml
Limitations	This PAICS antibody is available for research use only.



Flow cytometry testing of fixed and permeabilized human PC-3 cells with PAICS antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= PAICS antibody.



Western blot testing of human 1) K562 and 2) Raji cell lysate with PAICS antibody. Predicted molecular weight ~47 kDa.

Description

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.

Application Notes

Optimal dilution of the PAICS antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (amino acids Q69-L425) was used as the immunogen for the PAICS antibody.

Storage

After reconstitution, the PAICS antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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