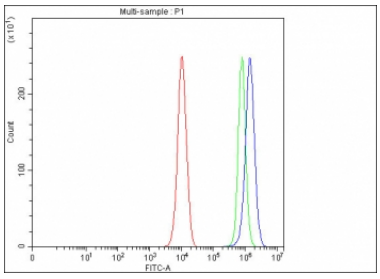
# PAICS Antibody / AIRC / ADE2 (RQ8499)

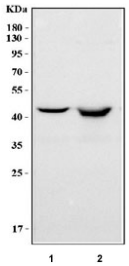
| Catalog No. | Formulation | Size |
|---|---|---|
| RQ8499 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**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<br>Flow cytometry: 1-3ug/million cells<br>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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