

## PAICS

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**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC IF

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:10 - 1:100

**Calculated MW:**47kDa

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein of human PAICS

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

ADE2; AIRC; PAIS; ADE2H1;

**Catalog #:**A6450

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**10606

**Isotype:**IgG

**Swiss Prot:**P22234

**Purity:**Affinity purification

For research use only.

**Background:**

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.

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