



## Rabbit Anti-PAICS antibody

SL6369R

<b>Product Name:</b>	PAICS
<b>Chinese Name:</b>	磷酸核糖胺咪唑羧化酶抗体
<b>Alias:</b>	ADE2; ADE2H1; AIR carboxylase; AIRC; DKFZp781N1372; MGC1343; MGC5024; Paics; PAIS; Phosphoribosylaminoimidazole carboxylase; PUR6_HUMAN; SAICAR synthetase.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	47kDa
<b>Cellular localization:</b>	cytoplasmicExtracellular matrixSecretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human PAICS:201-300/425
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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, Jul 2008].

**Subunit:**

Homooctamer.

**Similarity:**

In the N-terminal section; belongs to the SAICAR synthetase family.  
In the C-terminal section; belongs to the AIR carboxylase family.

**SWISS:**

P22234

**Gene ID:**

10606

**Database links:**

[Entrez Gene: 10606](#)Human

[Entrez Gene: 67054](#)Mouse

[Entrez Gene: 140946](#)Rat

[Omim: 172439](#)Human

[SwissProt: P22234](#)Human

[SwissProt: Q9DCL9](#)Mouse

[SwissProt: P51583](#)Rat

[Unigene: 518774](#)Human

[Unigene: 709570](#)Human

[Unigene: 182931](#)Mouse

[Unigene: 431705](#)Mouse

[Unigene: 3015](#)Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.