SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Primary Antibody]

Rabbit Anti-PAICS antibody

Catalog Number: SL6369R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	PAICS
Immunogen:	KLH conjugated synthetic peptide derived from human PAICS: 201-300/425
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Chicken, Dog, Pig, Cow, Horse, Rabbit)
Predicted MW.:	47kDa
Subcellular Location:	cytoplasmic Extracellular matrix Secretory protein
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. [provided by RefSeq, Jul 2008]. **Subunit:** Homooctamer. **Similarity:** In the N-terminal section; belongs to the SAICAR synthetase family.

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

SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

	In the C-terminal section; belongs to the AIR carboxylase family. **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.