

For Research Use Only

PAICS Recombinant antibody

Catalog Number: 86255-2-RR



Basic Information

Catalog Number:

86255-2-RR

Size:

100ul , Concentration: 1000 µg/ml by
Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3621

GenBank Accession Number:

BC010273

GeneID (NCBI):

10606

UNIPROT ID:

P22234

Full Name:

phosphoribosylaminoimidazole
carboxylase,
phosphoribosylaminoimidazole
succinocarboxamide synthetase

Calculated MW:

425 aa, 47 kDa

Observed MW:

47 kDa

Purification Method:

Protein A purification

CloneNo.:

250910H8

Recommended Dilutions:

WB: 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : K-562 cells, Jurkat cells, HeLa cells, THP-1 cells,
Raji cells

Background Information

PAICS is also named as ADE2(Multifunctional protein), AIRC, PAIS. It is an important bifunctional enzyme in de novo purine biosynthesis in vertebrate with both 5-aminoimidazole ribonucleotide carboxylase (AIRC) and 4-(N-succinylcarboxamide)-5-aminoimidazole ribonucleotide synthetase (SAICARs) activities. It becomes an attractive target for rational anticancer drug design, since rapidly dividing cancer cells rely heavily on the purine de novo pathway for synthesis of adenine and guanine, whereas normal cells favor the salvage pathway(PMID:17224163).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

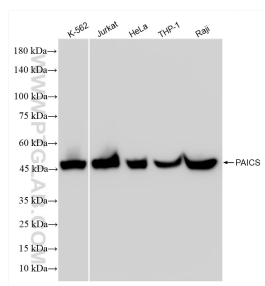
For technical support and original validation data for this product please contact:

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in USA), or 1(312) 455-8498 (outside USA)

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86255-2-RR (PAICS antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.