

For Research Use Only

CoraLite® Plus 488-conjugated PAICS Recombinant monoclonal antibody

Catalog Number:CL488-86255-2



Basic Information

Catalog Number:

CL488-86255-2

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:

IF/ICC: 1:50-1:500

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human

Positive Controls:

IF/ICC : HepG2 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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

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

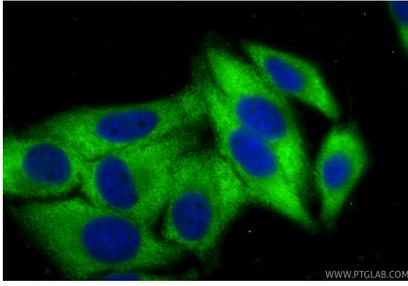
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite® Plus 488 PAICS antibody (CL488-86255-2, Clone: 250910H8) at dilution of 1:200.