

For Research Use Only

CoraLite® Plus 488-conjugated PRPSAP2 Polyclonal antibody



Catalog Number: **CL488-17814**

Basic Information

Catalog Number:

CL488-17814

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12132

GenBank Accession Number:

BC106050

GeneID (NCBI):

5636

UNIPROT ID:

O60256

Full Name:

phosphoribosyl pyrophosphate
synthetase-associated protein 2

Calculated MW:

369 aa, 41 kDa

Observed MW:

37-41 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : BxPC-3 cells,

Background Information

PRPSAP2, also named as PAP41, is 369 amino acid protein, which seems to play a negative regulatory role in 5-phosphoribose 1-diphosphate synthesis. PRPSAP2 is another protein involved in nucleic acid metabolism. The PRPSAP2 gene encodes part of the enzyme PRPP synthetase, which catalyzes the formation of phosphoribosylpyrophosphate, being a primary substrate for newly formed purine and pyrimidine nucleotides. Depletion of the PRPP synthetase causes growth arrest, the reverse has not been shown. Overexpression of SHMT1 and PRPSAP2 (and also COPS3) has been reported to occur in multiple myelomas. PRPSAP2 exists several isoforms with the range of molecular weight about 35-43 kDa.

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, pH 7.3.

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 BxPC-3 cells using Coralite® Plus 488
PRPSAP2 antibody (CL488-17814) at dilution of
1:200.