

For Research Use Only

# CoraLite® Plus 488-conjugated PRPSAP2 Polyclonal antibody

Catalog Number: CL488-17814



## Basic Information

### Catalog Number:

CL488-17814

### Size:

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

### 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:

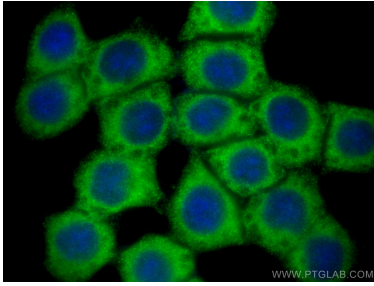
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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol)  
fixed BxPC-3 cells using CoraLite® Plus 488  
PRPSAP2 antibody (CL488-17814) at dilution of  
1:200.