

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 17814-1-AP	<b>GenBank-Zugangsnummer:</b> BC106050	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 150ul , Konzentration: 700 µg/ml von Nanodrop und 333 µg/ml durch die Bradford-Methode mit BSA als Standard;	<b>GeneID (NCBI):</b> 5636	<b>Empfohlene Verdünnungen:</b> WB 1:1000-1:4000 IHC 1:20-1:200 IF 1:10-1:100
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> phosphoribosyl pyrophosphate synthetase-associated protein 2	
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 369 aa, 41 kDa	
<b>Immunogen Katalognummer:</b> AG12132	<b>Beobachtete Masse:</b> 37-41 kDa	

## Anwendungen

<b>Geprüfte Anwendungen:</b> IF, IHC, WB, ELISA	<b>Positivkontrollen:</b>
<b>Getestete Reaktivität:</b> Human, Maus, Ratte	<b>WB :</b> BxPC-3-Zellen, HeLa-Zellen, Maushirngewebe, Rattenhirngewebe
<b>Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.</b>	<b>IHC :</b> humanes Pankreasgewebe,
	<b>IF :</b> BxPC-3-Zellen,

## Hintergrundinformationen

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 COP53) has been reported to occur in multiple myelomas . PRPSAP2 exists several isoforms with the range of molecular weight about 35-43 kDa.

## Lagerung

**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

**Aliquotieren ist nicht notwendig bei -20°C Lagerung**

\*\*\* 20ul-Größen enthalten 0.1% BSA

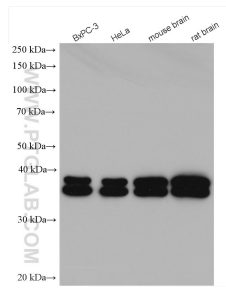
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

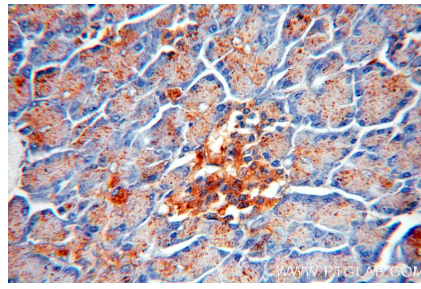
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

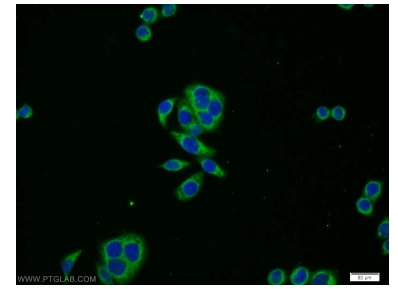
## Ausgewählte Validierungsdaten



Various lysates were subjected to SDS PAGE followed by western blot with 17814-1-AP (PRPSAP2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas using 17814-1-AP (PRPSAP2 antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of BxPC-3 cells using 17814-1-AP (PRPSAP2 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).