

For Research Use Only

# PSAP Polyclonal antibody

Catalog Number: 18397-1-AP

Featured Product



## Basic Information

**Catalog Number:**

18397-1-AP

**Size:**

150ul, Concentration: 240 ug/ml by Nanodrop and 207 ug/ml by Bradford method using BSA as the standard;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG13264

**GenBank Accession Number:**

BC001503

**GeneID (NCBI):**

5660

**UNIPROT ID:**

P07602

**Full Name:**

prosaposin

**Calculated MW:**

58 kDa

**Observed MW:**

58 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:3000

IHC 1:50-1:500

IF/ICC 1:50-1:500

## Applications

**Tested Applications:**

WB, IHC, IF/ICC, ELISA

**Species Specificity:**

human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

WB: HEK-293 cells, PC-3 cells, HepG2 cells, L02 cells, MCF-7 cells

IHC: human prostate cancer tissue, human liver cancer tissue

IF/ICC: A431 cells,

## Background Information

proteins' (SAPs) that assist in the lysosomal hydrolysis of sphingolipids. After proteolytic processing of the prosaposin protein, these 4 released polypeptides are functional activators. Saposin A was encoded by residues 60 to 143 of PSAP, saposin B by 195 to 275, saposin C by 311 to 390, and saposin D by 405 to 487. There are four 12-14 kDa heatstable glycoproteins. This antibody should recognize saposin B.

## Storage

**Storage:**

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

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

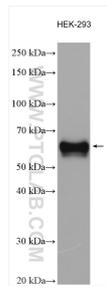
For technical support and original validation data for this product please contact:

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

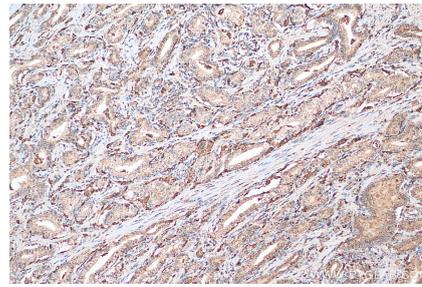
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

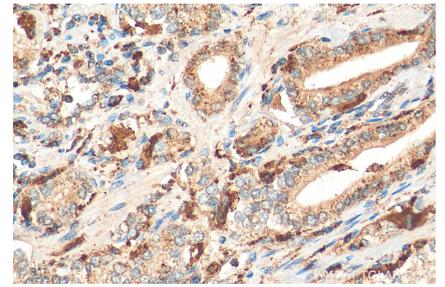
## Selected Validation Data



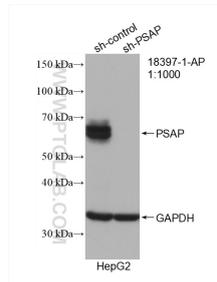
HEK-293 cells were subjected to SDS PAGE followed by western blot with 18397-1-AP (PSAP antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



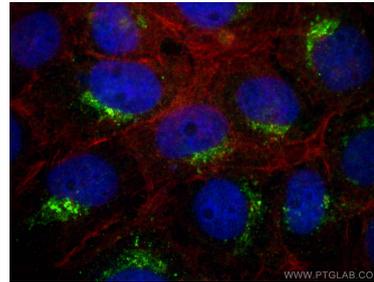
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 18397-1-AP (PSAP antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 18397-1-AP (PSAP antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



WB result of PSAP antibody (18397-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PSAP transfected HepG2 cells.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using PSAP antibody (18397-1-AP) at dilution of 1:200 and Multi-rAb CoraLite @ Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-phalloidin (red).