

For Research Use Only

PSAP Polyclonal antibody

Catalog Number: 18398-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number:

18398-1-AP

Size:

150ul, Concentration: 700 ug/ml by Nanodrop and 313 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13265

GenBank Accession Number:

BC001503

GeneID (NCBI):

5660

UNIPROT ID:

P07602

Full Name:

prosaposin

Calculated MW:

58 kDa

Observed MW:

60-70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:20-1:200

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, ColP

Species Specificity:

human

Cited Species:

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 : HeLa cells, HepG2 cells

IHC : human liver cancer tissue,

IF/ICC : PC-3 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 C.

Notable Publications

Author	Pubmed ID	Journal	Application
Myung Jong Kim	35181782	Hum Mol Genet	WB, ColP
Myung Jong Kim	38329128	JCI Insight	WB

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

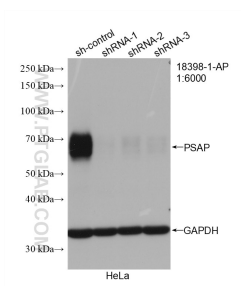
For technical support and original validation data for this product please contact:

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

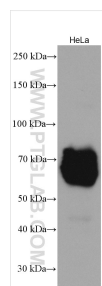
E: proteintech@ptglab.com
W: ptglab.com

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

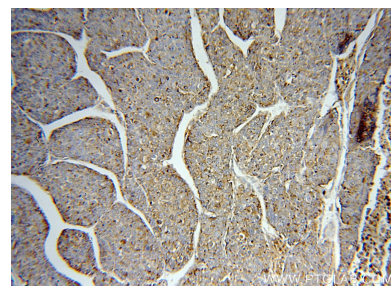
Selected Validation Data



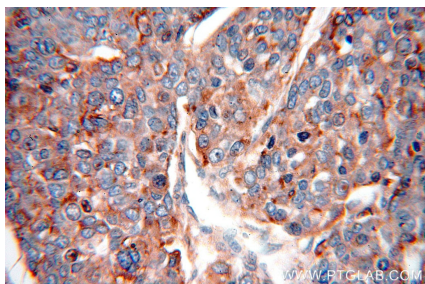
WB result of PSAP antibody (18398-1-AP; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PSAP transfected HeLa cells.



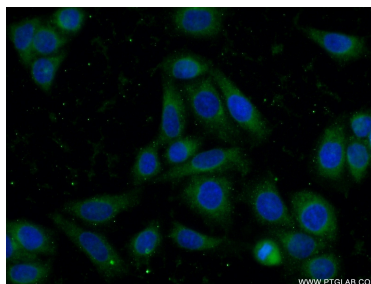
HeLa cells were subjected to SDS PAGE followed by western blot with 18398-1-AP (PSAP antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer using 18398-1-AP (PSAP antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver cancer using 18398-1-AP (PSAP antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed PC-3 cells using 18398-1-AP (PSAP antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).