

## PSAP antibody

### Product Information

Catalog No.:	FNab06843
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

### Background

Saposin-A and saposin-C stimulate the hydrolysis of glucosylceramide by beta-glucosylceramidase(EC 3.2.1.45) and galactosylceramide by beta-galactosylceramidase(EC 3.2.1.46). Saposin-C apparently acts by combining with the enzyme and acidic lipid to form an activated complex, rather than by solubilizing the substrate. Saposin-B stimulates the hydrolysis of galacto-cerebroside sulfate by arylsulfatase A(EC 3.1.6.8), GM1 gangliosides by beta-galactosidase(EC 3.2.1.23) and globotriaosylceramide by alpha-galactosidase A(EC 3.2.1.22). Saposin-B forms a solubilizing complex with the substrates of the sphingolipid hydrolases. Saposin-D is a specific sphingomyelin phosphodiesterase activator(EC 3.1.4.12). Prosaposin: Behaves as a myelinotrophic and neurotrophic factor, these effects are mediated by its G-protein-coupled receptors, GPR37 and GPR37L1, undergoing ligand-mediated internalization followed by ERK phosphorylation signaling. Saposins are specific low-molecular mass non-enzymic proteins, they participate in the lysosomal degradation of sphingolipids, which takes place by the sequential action of specific hydrolases.

### Immunogen information

Immunogen:	prosaposin
Synonyms:	Prosaposin Proactivator polypeptide Saposin-A Alternative names: Protein A Saposin-B-Val Saposin-B Alternative names: Cerebroside sulfate activator (CSAct) Dispersin Sphingolipid activator protein 1 (SAP-1) Sulfatide/GM1 activator Saposin-C Alternative names: A1 activator Co-beta-glucosidase Glucosylceramidase

activator|Sphingolipid activator protein 2 (SAP-2)|Saposin-D  
Alternative names: Component C|Protein C|PSAP|GLBA|SAP1

Observed MW: 60 kDa

Uniprot ID : P07602

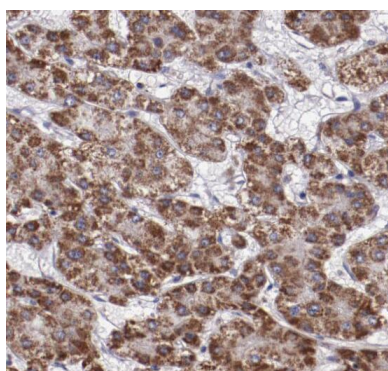
### Application

Reactivity: Human, Mouse, Rat

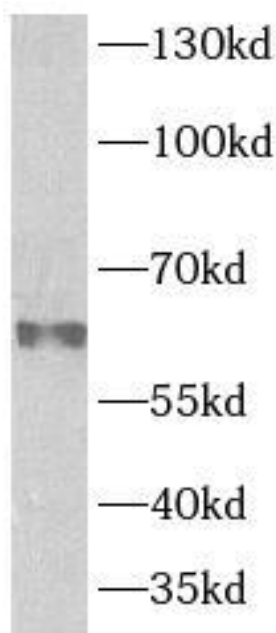
Tested Application: ELISA, WB, IHC

Recommended dilution: WB: 1:500 - 1:1000; IHC: 1:50 - 1:200

Image:



Immunohistochemistry of paraffin-embedded human liver cancer using FNab06843(PSAP antibody) at dilution of 1:50



HepG2 cells were subjected to SDS PAGE followed by western blot with FNab06843(PSAP Antibody) at dilution of 1:600