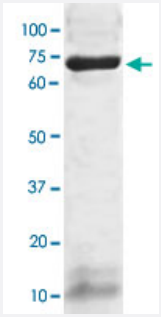
PSAP polyclonal antibody

Catalog # PAB12733 Size 100 ug

Applications



Western Blot (Cell lysate)

The whole cell lysate derived from human hepatoma HepG2 was immunoblotted PSAP polyclonal antibody (Cat # PAB12733) at 1 : 500.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PSAP.
Immunogen	A synthetic peptide corresponding to amino acids 300-360 of human PSAP.
Host	Rabbit
Theoretical MW (kDa)	70
Reactivity	Human
Specificity	This antibody recognizes ~70 KDa of human PSAP.
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (0.1-1 ug/mL) ELISA (0.01-0.1 ug/mL) Immunoprecipitation (2-5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In TBS, pH 7.2 (BSA, 10% Proclin300)

Storage Instruction	Store at 4°C. For long term storage store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

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- Immunoprecipitation

- Enzyme-linked Immunoabsorbent Assay

Gene Info — PSAP

Entrez GeneID	5660
Gene Name	PSAP
Gene Alias	FLJ00245, GLBA, MGC110993, SAP1
Gene Description	prosaposin
Omim ID	176801 249900 610539
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a highly conserved glycoprotein which is a precursor for 4 cleavage products: saposins A, B, C, and D. Each domain of the precursor protein is approximately 80 amino acid re sidues long with nearly identical placement of cysteine residues and glycosylation sites. Saposins A-D localize primarily to the lysosomal compartment where they facilitate the catabolism of glycos phingolipids with short oligosaccharide groups. The precursor protein exists both as a secretory p rotein and as an integral membrane protein and has neurotrophic activities. Mutations in this gene have been associated with Gaucher disease, Tay-Sachs disease, and metachromatic leukodystr ophy. Alternative splicing results in multiple transcript variants encoding different isoforms. [provid ed by RefSeq
Other Designations	OTTHUMP00000019776|sphingolipid activator protein-1

Publication Reference

- Combined saposin C and D deficiencies in mice lead to a neuronopathic phenotype, glucosylceramide and alpha-hydroxy ceramide accumulation, and altered prosaposin trafficking.

  Sun Y, Witte DP, Zamzow M, Ran H, Quinn B, Matsuda J, Grabowski GA.

  Human Molecular Genetics 2007 Apr; 16(8):957.

  Application: IF, IP, Mouse, Mouse fibroblasts

Pathway

- Lysosome

Disease

- Alzheimer Disease
- Genetic Predisposition to Disease
- Prostate cancer
- Prostatic Hyperplasia
- Prostatic Neoplasms
- Schizophrenia
- Tobacco Use Disorder