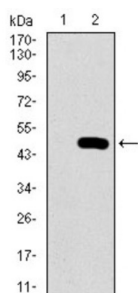
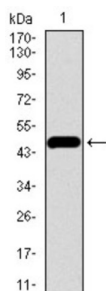


## Prosaposin (PSAP) Antibody

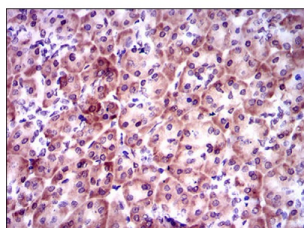
Catalogue No.: abx011980



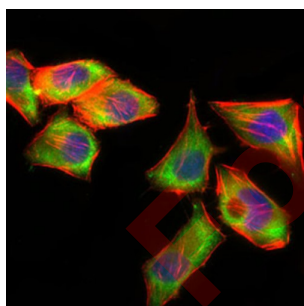
Western blot analysis using PSAP antibody against human PSAP recombinant protein. (Expected MW is 47.8 kDa).



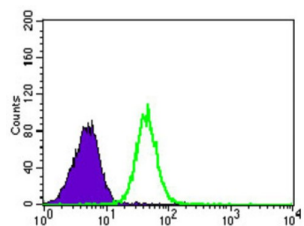
Western blot analysis using PSAP antibody against HEK293 (1) and PSAP (AA: 325-524) - hlgGfC transfected HEK293 (2) cell lysate.



Immunofluorescence analysis of HepG2 cells using PSAP antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with AF555 phalloidin.



Flow cytometric analysis of HeLa cells using PSAP antibody (green) and negative control (purple).

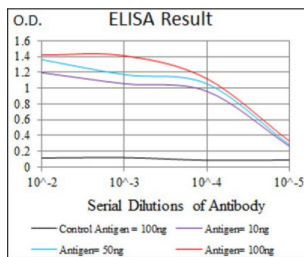


Immunohistochemical analysis of paraffin-embedded pancreas tissues using PSAP antibody with DAB staining.

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Red: Control Antigen (100ng) ; Purple: Antigen (10ng) ; Green: Antigen (50ng) ; Blue: Antigen (100ng).

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 residues 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 glycosphingolipids with short oligosaccharide groups. The precursor protein exists both as a secretory protein 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 leukodystrophy. Alternative splicing results in multiple transcript variants encoding different isoforms.

**Target:** Prosaposin (PSAP)

**Clonality:** Monoclonal

**Reactivity:** Human

**Tested Applications:** ELISA, IHC, IF/ICC, FCM

**Host:** Mouse

**Recommended dilutions:** ELISA: 1/10000, IHC: 1/200 - 1/1000, IF/ICC: 1/50 - 1/500, FCM: 1/200 - 1/400. Optimal dilutions/concentrations should be determined by the end user.

**Conjugation:** Unconjugated

**Immunogen:** Purified recombinant fragment of human PSAP (AA: 325-524) expressed in E. coli.

**Isotype:** IgG<sub>1</sub>

**Form:** Liquid

**Purification:** Purified from ascites by Protein G chromatography.

**Storage:** Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

**UniProt Primary AC:** P07602 ([UniProt](#), [ExPASy](#))

**Gene Symbol:** PSAP

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**GeneID:** [5660](#)

**OMIM:** [176801](#)

**HGNC:** 9498

**KEGG:** hsa:5660

**Ensembl:** ENSG00000197746

**String:** [9606.ENSP00000378394](#)

**Molecular Weight:** 58.1 kDa

**Buffer:** PBS, containing 0.05% sodium azide.

**Concentration:** 1 mg/ml

**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only