

PSAP Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA2786
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human PSAP (AA: 17-216) expressed in E. Coli.
Mol wt	58.1kDa
Species reactivity	Others
Clonality	Monoclonal
Recommended application	WB,IHC,ICC,FCM
Concentration	N/A
Full name	N/A
Synonyms	GLBA;SAP1;SAP2

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

This gene encodes a highly conserved preproprotein that is proteolytically processed to generate four main cleavage products including 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 and metachromatic leukodystrophy. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed.

Recommended Dilution

WB: 1:500 - 1:2000

IHC-p: 1:200-1:1000

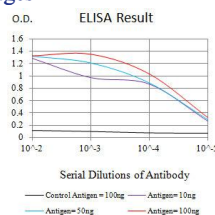
ICC: 1:200 - 1:1000

FCM: 1:200-1:400

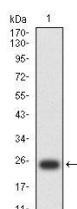
ELISA: 1:10000

Not yet tested in other applications.

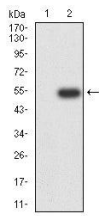
Images



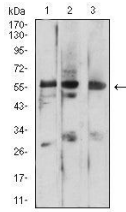
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



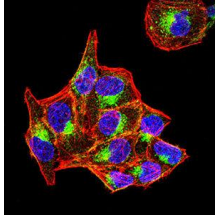
Western blot analysis using PSAP mAb against human PSAP (AA: 17-216) recombinant protein.
(Expected MW is 24.9 kDa)



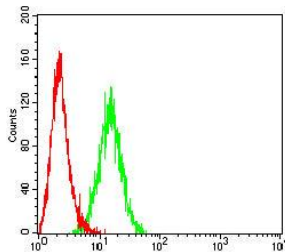
Western blot analysis using PSAP mAb against HEK293-6e (1) and PSAP (AA: 17-216)-hIgGFc transfected HEK293-6e (2) cell lysate.



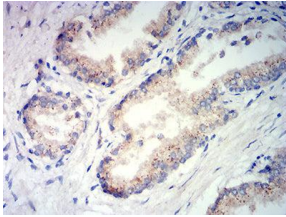
Western blot analysis using PSAP mouse mAb against HEK293 (1), C6 (2), and HT1080 (3) cell lysate.



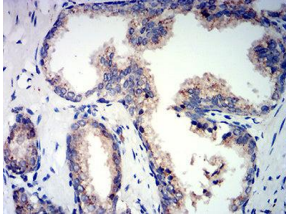
Immunofluorescence analysis of HeLa cells using PSAP mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



Flow cytometric analysis of HeLa cells using PSAP mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded prostate tissues using PSAP mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded prostate cancer tissues using PSAP mouse mAb with DAB staining.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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