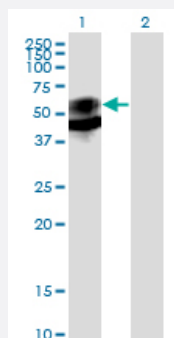


PSAP monoclonal antibody (M01), clone 1D1-C12

Catalog # H00005660-M01

Size 100 ug

Applications

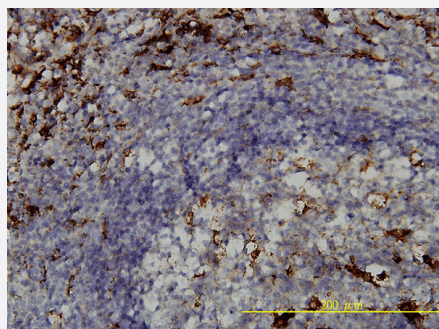


Western Blot (Transfected lysate)

Western Blot analysis of PSAP expression in transfected 293T cell line by PSAP monoclonal antibody (M01), clone 1D1-C12.

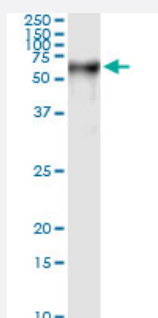
Lane 1: PSAP transfected lysate (58.1 kDa).

Lane 2: Non-transfected lysate.



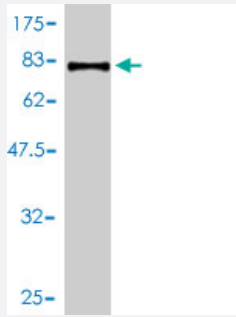
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to PSAP on formalin-fixed paraffin-embedded human spleen tissue. [antibody concentration 5 ug/ml]



Immunoprecipitation

Immunoprecipitation of PSAP transfected lysate using anti-PSAP monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with PSAP MaxPab rabbit polyclonal antibody.



Western Blot detection against Immunogen (81.29 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant PSAP.
Immunogen	PSAP (AAH01503, 18 a.a. ~ 524 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	PVLGLKECTRGSAVWCQNVKTASDCGAVKHCLQTVWNKPTVKSLPCDICKDVVTAAGDMLKDN ATEEEILVYLEKTCDWLPKPNMSASCKEIVDSYLPVILDIKGEMSRPGEVCSALNLCESLQKHLAE LNHQKQLESNKIPELDMTEVVAPFMANIPLLLYPQDGRSKPQPKDNGDVCQDCIQMVTDIQTAV RTNSTFVQALVEHVKEECDRLGPGMADICKNYSQYSEIAIQMMMHMQPKEICALVGFCDEVKEM PMQTLVPAKVASKNVIPALELVEPIKKHEVPAKSDVYCEVCEFLVKEVTKLIDNNKTEKEILDAFDK MCSKLPKSLSEECQEVVDYTGSSILSILLEEVSELPVCSMLHLCSGTRLPALTVHVTQPKDGGFC EVCKKLVGYLDRNLEKNSTKQEILAALEKGCFLPDYPYQKQCDQFVAEYEPVLIEILVEVMDPSFV CLKIGACPSAHKPLLGTCKWGPSYWCQNTETAAQCNAVEHCKRHVWN
Host	Mouse
Reactivity	Human
Isotype	IgG2a kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (81.29 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of PSAP expression in transfected 293T cell line by PSAP monoclonal antibody (M01), clone 1D1-C12.

Lane 1: PSAP transfected lysate(58.1 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to PSAP on formalin-fixed paraffin-embedded human spleen tissue. [antibody concentration 5 ug/ml]

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of PSAP transfected lysate using anti-PSAP monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with PSAP MaxPab rabbit polyclonal antibody.

[Protocol Download](#)

- ELISA

Gene Info — PSAP

Entrez GeneID	5660
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GeneBank Accession#	BC001503
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Protein Accession#	AAH01503
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Gene Name	PSAP
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Gene Alias	FLJ00245, GLBA, MGC110993, SAP1
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Gene Description	prosaposin
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Omim ID	176801 249900 610539
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Gene Ontology	Hyperlink
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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 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. [provided by RefSeq]

Other Designations

OTTHUMP00000019776|sphingolipid activator protein-1

Publication Reference

- [Serum prosaposin levels are increased in patients with advanced prostate cancer.](#)

Koochekpour S, Hu S, Vellasco-Gonzalez C, Bernardo R, Azabdaftari G, Zhu G, Zhau HE, Chung LW, Vessella RL. Prostate 2011 May; 72:253.

Application: S-ELISA, IHC, Human, Prostate cancer, Serum

Pathway

- [Lysosome](#)

Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)
- [Prostate cancer](#)
- [Prostatic Hyperplasia](#)
- [Prostatic Neoplasms](#)
- [Schizophrenia](#)
- [Tobacco Use Disorder](#)