10320 Camino Santa Fe, Suite G
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PSAP Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant PSAP.
Catalog # AT3448a

Specification

PSAP Antibody (monoclonal) (M01) - Product Information

Application	**IP, WB, IHC**
Primary Accession	P07602
Other Accession	BC001503
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a kappa**
Calculated MW	**58113**

PSAP Antibody (monoclonal) (M01) - Additional Information

Gene ID 5660

Other Names
Prosaposin, Proactivator polypeptide, Saposin-A, Protein A, Saposin-B-Val, Saposin-B, Cerebroside sulfate activator, CSAct, Dispersin, Sphingolipid activator protein 1, SAP-1, Sulfatide/GM1 activator, Saposin-C, A1 activator, Co-beta-glucosidase, Glucosylceramidase activator, Sphingolipid activator protein 2, SAP-2, Saposin-D, Component C, Protein C, PSAP, GLBA, SAP1

Target/Specificity
PSAP (AAH01503, 18 a.a. ~ 524 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
PSAP Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

PSAP Antibody (monoclonal) (M01) - Protocols

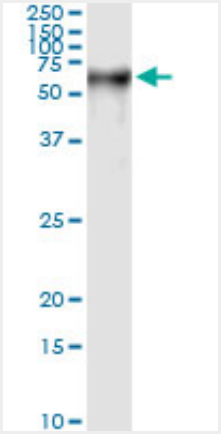
Provided below are standard protocols that you may find useful for product applications.

- Western Blot

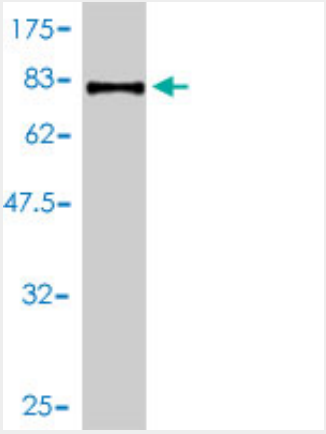
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- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PSAP Antibody (monoclonal) (M01) - Images

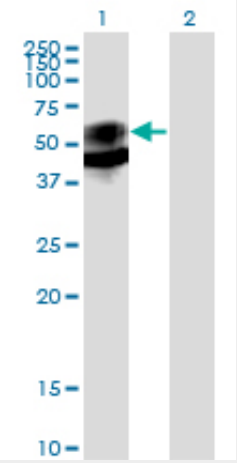


Immunoprecipitation of PSAP transfected lysate using anti-PSAP monoclonal antibody and Protein A Magnetic Bead (U0007), and immunoblotted with PSAP MaxPab rabbit polyclonal antibody.



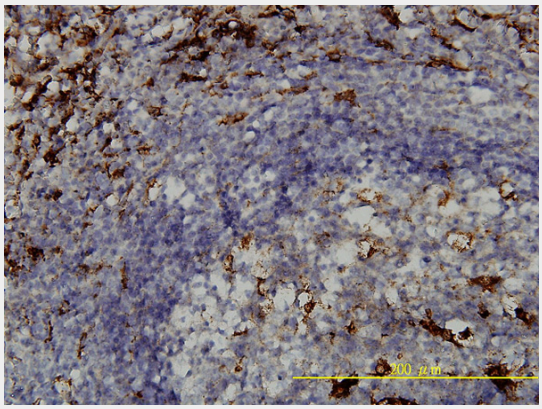
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (81.29 KDa) .

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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.



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

PSAP Antibody (monoclonal) (M01) - Background

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.

PSAP Antibody (monoclonal) (M01) - References

1.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 31. doi: 10.1002/pros.21427. [Epub ahead of print]