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PSAP Antibody (monoclonal) (M01)

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

Product Information

Application	WB, IHC, IP
Primary Accession	P07602
Other Accession	BC001503
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a kappa
Clone Names	1D1-C12
Calculated MW	58113

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 IHC~~1:100~500 IP~~N/A
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.

Background

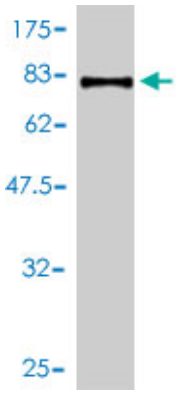
This gene encodes a highly conserved glycoprotein which is a precursor for 4 cleavage products: saposins A, B, C, and D. Each domain of the precursor protein is approximately 80 amino acid residues long with nearly identical placement of cysteine residues and glycosylation sites. Saposins A-D localize 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.

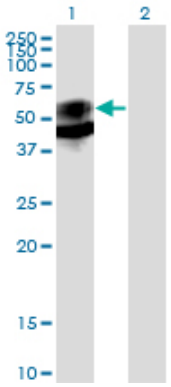
References

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]

Images

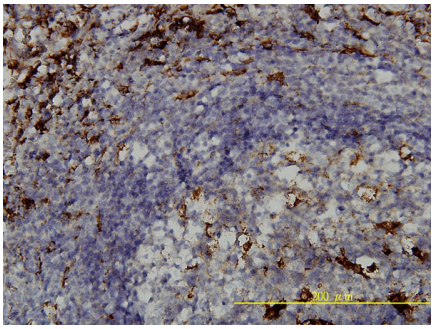


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (81.29 KDa) .

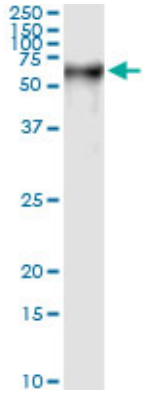


Western Blot analysis of PSAP expression in transfected 293T cell line by PSAP monoclonal antibody (M01), clone 1D1-C12.

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]



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.