

**PSAP / Prosaposin Antibody (clone 1D1-C12)**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS14143**

**Specification**

**PSAP / Prosaposin Antibody (clone 1D1-C12) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | <b>WB, IHC</b>         |
| Primary Accession | <a href="#">P07602</a> |
| Reactivity        | <b>Human</b>           |
| Host              | <b>Mouse</b>           |
| Clonality         | <b>Monoclonal</b>      |
| Calculated MW     | <b>58kDa KDa</b>       |

**PSAP / Prosaposin Antibody (clone 1D1-C12) - 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**

Human PSAP

**Reconstitution & Storage**

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

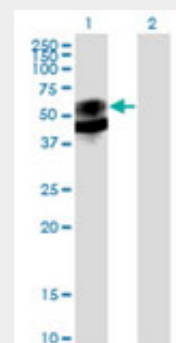
**Precautions**

PSAP / Prosaposin Antibody (clone 1D1-C12) is for research use only and not for use in diagnostic or therapeutic procedures.

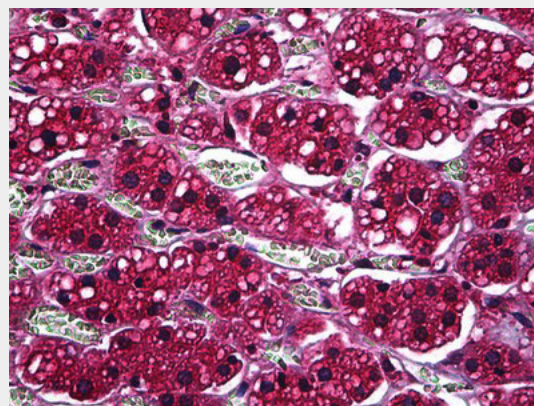
**PSAP / Prosaposin Antibody (clone 1D1-C12) - Protein Information**

**Name** PSAP

**Synonyms** GLBA, SAP1



Western blot of PSAP expression in transfected 293T cell line by PSAP monoclonal antibody clone...



Anti-PSAP antibody IHC of human adrenal.

**PSAP / Prosaposin Antibody (clone 1D1-C12) - Background**

Saposin-A and saposin-C stimulate the hydrolysis of glucosylceramide by beta-glucosylceramidase (EC 3.2.1.45) and galactosylceramide by beta-galactosylceramidase (EC 3.2.1.46). Saposin-C apparently acts by combining with the enzyme and acidic lipid to form an activated complex, rather than by solubilizing the substrate. Saposin-D is a specific sphingomyelin phosphodiesterase activator (EC 3.1.4.12). Saposins are specific low-molecular mass non-enzymic proteins,

**Function**

Sapoin-A and sapoin-C stimulate the hydrolysis of glucosylceramide by beta-glucosylceramidase (EC 3.2.1.45) and galactosylceramide by beta-galactosylceramidase (EC 3.2.1.46). Sapoin- C apparently acts by combining with the enzyme and acidic lipid to form an activated complex, rather than by solubilizing the substrate. Sapoin-D is a specific sphingomyelin phosphodiesterase activator (EC 3.1.4.12). Sapoin-A are specific low-molecular mass non-enzymic proteins, they participate in the lysosomal degradation of sphingolipids, which takes place by the sequential action of specific hydrolases.

**Cellular Location**

Lysosome

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**PSAP / Prosaposin Antibody (clone 1D1-C12) - References**

Rorman E.G.,et al.Genomics 5:486-492(1989).  
Nakano T.,et al.J. Biochem. 105:152-154(1989).  
Kalnina N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.  
Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.  
Deloukas P.,et al.Nature 429:375-381(2004).

**PSAP / Prosaposin Antibody (clone 1D1-C12) - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)