

PSAP / Prosaposin Antibody (clone 4D5F4)
Mouse Monoclonal Antibody
Catalog # ALS15820**Specification**

PSAP / Prosaposin Antibody (clone 4D5F4) - Product Information

Application	WB, IHC-P, IF, ICC, E, FC
Primary Accession	P07602
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	58kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A IF~~1:50~200 ICC~~N/A E~~N/A FC~~1:10~50

PSAP / Prosaposin Antibody (clone 4D5F4) - 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 Prosaposin

Reconstitution & Storage

Long term: -20°C; Short term: +4°C; Avoid freeze-thaw cycles.

Precautions

PSAP / Prosaposin Antibody (clone 4D5F4) is for research use only and not for use in diagnostic or therapeutic procedures.

PSAP / Prosaposin Antibody (clone 4D5F4) - Protein Information**Name** PSAP**Synonyms** GLBA, SAP1**Function**

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, they participate in the lysosomal degradation of sphingolipids, which takes place by the sequential action of specific hydrolases.

Cellular Location

Lysosome

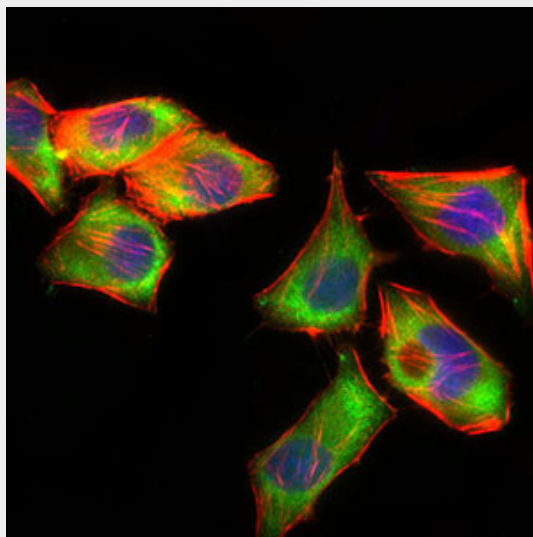
Volume

50 µl

PSAP / Prosaposin Antibody (clone 4D5F4) - 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](#)

PSAP / Prosaposin Antibody (clone 4D5F4) - Images

Immunofluorescence of HepG2 cells using PSAP mouse monoclonal antibody (green).

PSAP / Prosaposin Antibody (clone 4D5F4) - Background

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action of specific hydrolases.

PSAP / Prosaposin Antibody (clone 4D5F4) - References

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Nakano T.,et al.J. Biochem. 105:152-154(1989).

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Deloukas P.,et al.Nature 429:375-381(2004).