

Rabbit anti-Human SAPOSIN (PSAP) Antibody | anti-SAPOSIN (PSAP) antibody

Rabbit anti Saposin antibody

CATALOG # AAA14090	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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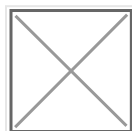
PRODUCT SYNONYMS

SAPOSIN (PSAP); Rabbit anti Saposin antibody; Rabbit anti-Saposin (IN); anti-SAPOSIN (PSAP) antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Specificity	This antibody recognizes ~70 kDa of human Prosaposin protein. It also reacts with mouse and rat. The other species are not tested.
Purity/Purification	The Rabbit IgG is purified by specific Epitope Affinity Purification.
Form/Format	This affinity purified antibody is supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer
Applicable Applications for anti-SAPOSIN (PSAP) antibody	ELISA, WB (Western Blot)
Application Notes	Western Blot: 0.1-1 ug/ml ELISA: 0.01-0.1 ug/ml Immunoprecipitation: 2-5 ug/ml Optimal dilutions should be determined by researchers for the specific applications.
Antigen Preparation	A synthetic peptide corresponding to internal sequence (within 300-360aa) of human Saposin.
Positive Control	HepG2
Preparation and Storage	The antibodies are stable for 12 months from date of receipt when stored at -20°C to -70°C. The antibodies can be stored at 2°C-8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-SAPOSIN (PSAP) antibody	The Saposin family includes four structurally related proteins, saposin A, B, C, and D which are ~80 aa small acidic acitvator proteins with specificities for glycosphingolipid (GSL) hydrolases. They are derived from a single precursor, prosaposin. In both humans and mice, prosaposin/saposin deficiencies lead to severe neurological deficits. Saposins are processed from prosaposin in the late endosome and lysosome, and their stability is maintained by three disulfide bridges. The post-modified prosoposin is an ~70 kDa form which subsequently undergoes partial proteolysis to produce saposin A, B, C, and D, each proteins are between 12-14 kDa in mass.
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References

Ying Sun et al. Combined saposin C and D deficiencies in mice lead to a neuronopathic phenotype, glucosylceramide and -hydroxy ceramide accumulation, and altered prosaposin trafficking. Human Molecular Genetics 2007 16 (8):957-971.

NCBI AND UNIPROT INFORMATION

Molecular Weight 70 kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/rabbit-human-antibody/saposin-psap/14090>