

Rabbit anti-Human SAP Polyclonal Antibody | anti-PSAP antibody

SAP Antibody (Center E300)

CATALOG # AAA288319	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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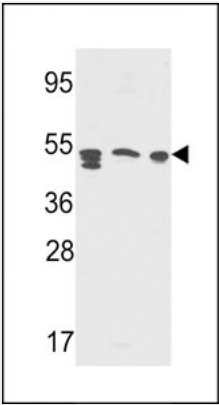
PRODUCT SYNONYMS

SAP; Polyclonal Antibody; SAP Antibody (Center E300); 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; anti-PSAP antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SAP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 285-314 amino acids from the Central region of human SAP.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	285-314
Sequence Length	527
Applicable Applications for anti-PSAP antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
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
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of SAP Antibody (Center E300) in Y79,A2058,CEM cell line lysates(35ug/lane). SAP (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-PSAP antibody	PSAP is 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.
Product Categories/Family for anti-PSAP antibody	Metabolism ; Signal Transduction
References	Gunia,S., Virchows Arch. 454 (5), 573-579 (2009) Kuchar,L., Am. J. Med. Genet. A 149A (4), 613-621 (2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	110224476
NCBI GeneID	5660
NCBI Accession #	NP_001035930.1 ; NP_001035931.1 ; NP_002769.1
NCBI GenBank Nucleotide #	NM_001042465.1
UniProt Accession #	P07602 ; P07292 ; P15793 ; P78538 ; P78541 ; P78546 ; P78547 ; P78558 ; Q53Y86 ; Q6IBQ6 ; Q92739 ; Q92740
Molecular Weight	58113
NCBI Official Full Name	prosaposin isoform b preproprotein
NCBI Official Synonym Full Names	prosaposin
NCBI Official Symbol	PSAP
NCBI Official Synonym Symbols	GLBA; SAP1
NCBI Protein Information	prosaposin
UniProt Protein Name	Prosaposin
UniProt Gene Name	PSAP
UniProt Synonym Gene Names	GLBA; SAP1; CSAct; SAP-1; SAP-2
UniProt Entry Name	SAP_HUMAN

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://www.aaabiotech.com/polyclonal/sap-antibody-western-blot-elisa/288319>