

Rabbit anti-Mouse, Human PSAP/Prosaposin Polyclonal Antibody | anti-PSAP antibody

PSAP/Prosaposin Rabbit anti-Human Polyclonal (Internal) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA162697	Rabbit	Mouse, Human	Western Blot, Immunohistochemistry, Immunohistochemistry

PRODUCT SYNONYMS

PSAP/Prosaposin; Polyclonal Antibody; PSAP/Prosaposin Rabbit anti-Human Polyclonal (Internal) Antibody; PathPlus PSAP/Prosaposin Antibody (Internal); PSAP; Cerebroside sulfate activator; GLBA; Proactivator polypeptide; Prosaposin; SAP1; anti-PSAP antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Human
Clonality	Polyclonal
Specificity	Recognizes endogenous levels of Prosaposin protein.
Purity/Purification	Immunoaffinity purified
Form/Format	PBS, pH7.3, 0.01% Sodium Azide, 30% Glycerol
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-PSAP antibody	WB (Western Blot), IHC (Immunohistochemistry), IHC (Immunohistochemistry)
Target	Human PSAP/Prosaposin
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the central region of human Prosaposin.
Conjugation	Unconjugated
Epitope	Internal
Preparation and Storage	Aliquot and store at -20 degree C for 1 year. Avoid freeze/thaw cycles.

IMAGES



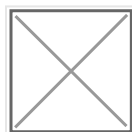
IHC (Immunohistochemistry)

PSAP/Prosaposin Antibody-Human Brain, Cerebellum: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)

PSAP/Prosaposin Antibody-Human Spleen: Formalin-Fixed, Paraffin-Embedded (FFPE)



WB (Western Blot)

PSAP/Prosaposin Antibody-Western blot analysis of Prosaposin expression in HepG2 (A); NIH3T3 (B) whole cell lysates.

ADDITIONAL INFORMATION

Related Product Information for anti-PSAP antibody	Prosaposin antibody is an unconjugated rabbit polyclonal antibody to Prosaposin (PSAP)(Internal) from human. It is reactive with human and mouse. Validated for IHC and WB. PSAP (Prosaposin, SAP1) is a preproprotein that is proteolytically processed to generate saposins A, B, C, and D. Saposins localize to lysosomes where they catabolize glycosphingolipids with short oligosaccharide groups. The precursor exists as both a secretory and integral membrane protein. The secretory prosaposin promotes protective effects in the nervous system by activating G proteins, including GPR37 and GPR37L1. Mutations in PSAP are associated with Gaucher disease and metachromatic leukodystrophy. The protein is expressed in all tissues.
References	Brain Res 2014 1585:1; Am J Med Genet 2009 149A(4):613; Mol Genet Metab 2012 106(3):257

NCBI AND UNIPROT INFORMATION

NCBI GI #	11386147
NCBI GeneID	5660
NCBI Accession #	NP_002769.1
NCBI GenBank Nucleotide #	NM_002778
UniProt Accession #	P07602; P07292; P15793; P78538; P78541; P78546; P78547; P78558; Q53Y86; Q6IBQ6; Q92739; Q92740
Molecular Weight	58,484 Da
NCBI Official Full Name	prosaposin isoform a preproprotein
NCBI Official Synonym Full Names	prosaposin
NCBI Official Symbol	PSAP
NCBI Official Synonym Symbols	GLBA; SAP1
NCBI Protein Information	prosaposin; proactivator polypeptide; sphingolipid activator protein-1
UniProt Protein Name	Proactivator polypeptide
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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