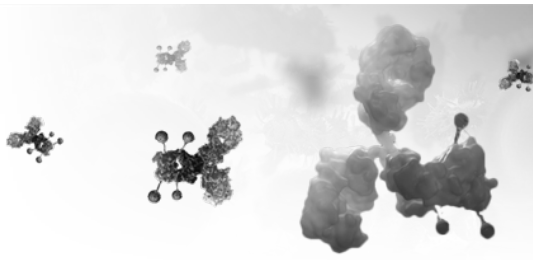

Anti-PSAP (full length) polyclonal antibody (DPAB-DC2520)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes 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. Mutations in this gene have been associated with Gaucher disease, Tay-Sachs disease, and metachromatic leukodystrophy. Alternative splicing results in multiple transcript variants encoding different isoforms.
Immunogen	PSAP (AAH01503, 18 a.a. ~ 524 a.a) full-length recombinant protein with GST tag. The sequence is PVLGLKECTRGSAVWCQNVKTASDCGAVKHCLQTVWNKPTVKSLPCDICKDVVTAAGDML KDNATEEEILVYLEKTCDWLPKPNMSASCKEIVDSYLPVILDIIKGEMSRPGEVCSALNL CESLQKHLAELNHQKQLESNKIPELDMTEVVAPFMANIPLLLYPQDGPRSKPQPKDNGDV CQDCIQMVTDIQTAVRTNSTFVQALVEHVKEECDRLGPGMADICKNYISQYSEIAIQMMM HMQPKEICALVGFCDEVKEMPMQTLVPAKVASKNVIPALELVEPIKKHEVPAKSDVYCEV CEFLVKEVTKLIDNNKTEKEILDAFDKMCSKLPKSLSEECQEVVDTYGSSILSILLEEVS PELVCSMLHLCSGTRLPALTVHVTQPKDGGFCEVCKKLVGYLD
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl

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Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PSAP prosaposin [Homo sapiens (human)]
Official Symbol	PSAP
Synonyms	PSAP; prosaposin; GLBA; SAP1; proactivator polypeptide; sphingolipid activator protein-1;
Entrez Gene ID	5660
Protein Refseq	NP_001035930
UniProt ID	P07602
Chromosome Location	10q21-q22
Pathway	Glycosphingolipid metabolism; Lysosome; Metabolism of lipids and lipoproteins; Platelet degranulation
Function	enzyme activator activity; lipid binding; protein binding;

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