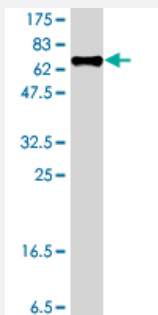


PSAP polyclonal antibody (A01)

Catalog # H00005660-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (81.88 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a full-length recombinant PSAP.
Immunogen	PSAP (AAH01503, 18 a.a. ~ 524 a.a) full-length recombinant protein with GST tag.
Sequence	PVLGLKECTRGSAVWCQNVKTASDCGAVKHCLQTVWNKPTVKSLPCDICKDVVTAAGDMLKDN ATEEEILVLEKTCDWLPKPNMSASCKEIVDSYLPVILDIKGEMSRPGEVCSALNLCESLQKHLAE LNHQKQLESNKIPELDMTEVVAPFMANIPLLLYPQDGPRSKPQPKDNGDVCQDCIQMVTDIQTAV RTNSTFVQALVEHVKEECDRLGPGMADICKNYISQYSEIAIQMMMHMQPKEICALVGFCDEVKEM PMQTLVPAKVASKNVIPALELVEPIKKHEVPAKSDVYCEVCEFLVKEVTKLIDNNKTEKEILDAFDK MCSKLPKSLSEECQEVVDTYGSSILSILLEEVSPELVCSMLHLCSGTRLPALTVHVTQPKDGGFC EVCKKLVGYLDRNLEKNSTKQEILAALEKGC SFLPDYPYQKQCDQFVAEYEPVLIEILVEVMDPSFV CLKIGACPSAHKPLLGTCKWGPSYWCQNTETAAQCNAVEHCKRHVWN
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (81.88 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — PSAP

Entrez GeneID [5660](#)

GeneBank Accession# [BC001503](#)

Protein Accession# [AAH01503](#)

Gene Name PSAP

Gene Alias FLJ00245, GLBA, MGC110993, SAP1

Gene Description prosaposin

Omim ID [176801 249900 610539](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations OTTHUMP00000019776|sphingolipid activator protein-1

Publication Reference

- [Co-localization of cystatin C and prosaposin in cultured neurons and in anterior horn neurons with amyotrophic lateral sclerosis.](#)

Wada Y, Nagai A, Sheikh AM, Onoda K, Terashima M, Shiota Y, Araki A, Yamaguchi S.

Journal of the Neurological Sciences 2018 Jan; 384:67.

Application: IF, WB-Re, Human, A1 neuronal hybrid cell line, Recombinant protein, Spinal cord from patients with amyotrophic lateral sclerosis

Pathway

- [Lysosome](#)

Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)
- [Prostate cancer](#)
- [Prostatic Hyperplasia](#)
- [Prostatic Neoplasms](#)
- [Schizophrenia](#)
- [Tobacco Use Disorder](#)