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Datasheet

PSAP monoclonal antibody (M01), clone 1D1-C12

Catalog Number: H00005660-M01

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a full length recombinant PSAP.

Clone Name: 1D1-C12

Immunogen: PSAP (AAH01503, 18 a.a. ~ 524 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:
PVLGLKECTRGSAVWCQNVKTASDCGAVKHCLQTVW
NKPTVKSLPCDICKDVVTAAGDMLKDNATEEEILVYLE
KTCDWLPKPNMSASCKEIVDSYLPVILDIIKGEMSRPG
EVCSALNLCESLQKHLAELNHQKQLESNKIPELDMTEV
VAPFMANIPLLLYPQDGPRSKPQPKDNGDVCQDCIQM
VTDIQTAVRTNSTFVQALVEHVKEECDRLGPGMADICK
NYISQYSEIAIQMMMHMQPKEICALVGFCDEVKEMPM
QTLVPAKVASKNVIPALELVEPIKKHEVPAKSDVYCEV
CEFLVKEVTKLIDNNKTEKEILDAFDKMCSKLPKSLSEE
CQEVVDTYGSSILSILLEEVSPELVCSMLHLCSGTRLPA
LTVHVTQPKDGGFCEVCKKLVGYLDRNLEKNSTKQEIL
AALEKGCSFLPDPYQKQCDQFVAEYEPVLIEILVEVMD
PSFVCLKIGACPSAHKPLLGTEKCIWGPSYWCQNTET
AAQCNAVEHCKRHVWN

Host: Mouse

Reactivity: Human

Applications: ELISA, IHC-P, IP, S-ELISA, WB-Re, WB-Tr
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Isotype: IgG2a kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 5660

Gene Symbol: PSAP

Gene Alias: FLJ00245, GLBA, MGC110993, SAP1

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]

References:
1. Serum prosaposin levels are increased in patients with advanced prostate cancer. Koochekpour S, Hu S, Vellasco-Gonzalez C, Bernardo R, Azabdaftari G, Zhu G, Zhau HE, Chung LW, Vessella RL. Prostate. 2011 May 31. doi: 10.1002/pros.21427. [Epub ahead of print]