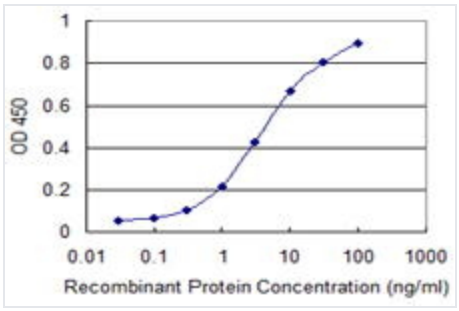
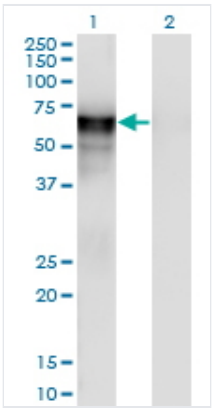
# PSAP Antibody – Mouse Monoclonal

## PRODUCT OVERVIEW

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| **Product Name** | PSAP, Monoclonal Antibody |
| **Full Product Name** | PSAP (Prosaposin, FLJ00245, GLBA, MGC110993, SAP1) (Biotin) |
| **Product Gene Name** | anti-PSAP antibody |
| **Product Synonym Names** | Prosaposin; FLJ00245; GLBA; MGC110993; SAP1 |
| **Clonality** | Monoclonal |
| **Isotype** | IgG1,k |
| **Clone Number** | 2F6 |
| **Host** | Mouse |
| **Form/Format** | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin. |
| **Purity/Purification** | Purified |
| **Specificity** | Recognizes PSAP. |
| **Preparation and Storage** | Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor |
| **Immunogen** | PSAP (AAH04275, 1aa-524aa) full-length recombinant protein with GST tag. MW of the GST tag alone is 26kD. |
| **Immunogen Sequence** | MYALFLLASLLGAALAGPVLGLKECTRGSAVWCQNVKTASDCGAVKHCLQTVWNKPTVKSLPCDICKDVVTAAGDMLKDNATEEEILVYLEKTCDWLPKP |
| **Conjugate** | Biotin |
| **Product Categories/Family for anti-PSAP antibody** | Antibodies; Proteins |
| **Applications Tested/Suitable for anti-PSAP antibody** | Western Blot (WB) |
| **Application Notes for anti-PSAP antibody** | Applications are based on unconjugated antibody. |
| **Related Product Information for anti-PSAP antibody** | MBS6173593 is an antibody targeting PSAP. Also known as PSAP (Prosaposin, FLJ00245, GLBA, MGC110993, SAP1) (Biotin). Host: Mouse. |
| **Other Notes** | Small volumes of anti-PSAP antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necess |




**Testing Data of anti-PSAP antibody**
Detection limit for recombinant GST tagged PSAP is 0.1 ng/ml as a capture antibody.




**Western Blot (WB) of anti-PSAP antibody**
Western Blot analysis of PSAP expression in transfected 293T cell line by PSAP monoclonal antibody (M03), clone 2F6.Lane 1: PSAP transfected lysate (Predicted MW: 58.1 KDa).Lane 2: Non-transfected lysate.

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PSAP. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 13279095 |
| **NCBI GeneID** | 5660 |
| **NCBI Accession #** | AAH04275 |
| **UniProt Related Accession #** | P07602 |
| **NCBI Official Full Name** | Prosaposin |
| **NCBI Official Synonym Full Names** | prosaposin |
| **NCBI Official Symbol** | PSAP |
| **NCBI Official Synonym Symbols** | GLBA; SAP1; SAP2 |
| **Protein Family** | Prosaposin |
| **NCBI Protein Information** | prosaposin |
| **NCBI Summary for PSAP** | This gene encodes a highly conserved preproprotein that is proteolytically processed to generate four main cleavage products including 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 and metachromatic leukodystrophy. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed. [provided by RefSeq, Feb 2016] |
| **Research Articles on PSAP** | **1.** PSAP played a regulatory role in glioblastoma invasion and epithelial mesenchymal transformation-like processes via the TGF-beta1/Smad signaling pathway. |
| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |
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