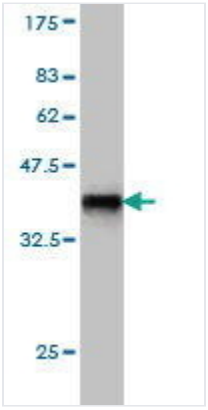
INPPL1 Antibody – Mouse Monoclonal

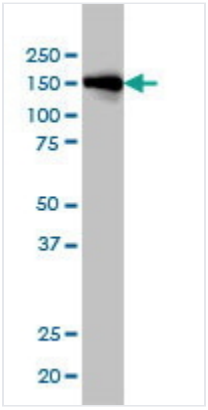
PRODUCT OVERVIEW

Product Name	SHIP2 (INPPL1), Monoclonal Antibody
Full Product Name	SHIP2 (Phosphatidylinositol-3,4,5-trisphosphate 5-phosphatase 2, SH2 Domain-containing Inositol-5'-phosphatase 2, SH2 Domain-containing Inositol Phosphatase 2, SHIP-2, Inositol Polyphosphate Phosphatase-like Protein 1, INPPL-1, Protein 51C, INPPL1)
Product Gene Name	anti-INPPL1 antibody
Product Synonym Names	Anti -SHIP2 (Phosphatidylinositol-3,4,5-trisphosphate 5-phosphatase 2, SH2 Domain-containing Inositol-5'-phosphatase 2, SH2 Domain-containing Inositol Phosphatase 2, SHIP-2, Inositol Polyphosphate Phosphatase-like Protein 1, INPPL-1, Protein 51C, INPPL1)
Immunogen Sequence	PSDYGRPLSF PPPRIRESIQ EDLAEEAPCL QGGRASGLGE AGMSAWLRAI GLERYEEGLV HNGWDDLEFL SDITEEDLEE AGVQDPAHKR LLLDTLQLSK
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	3E6
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Recognizes human INPPL1.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Chromosome Location	Chromosome: 9; NC_010451.3 (7555469..7569460). Location: 9; 9
Immunogen	Partial recombinant corresponding to aa1159-1258 from human INPPL1 (NP_001558) with GST tag. MW of the GST tag alone is 26kD.
Product Categories/Family for anti-INPPL1 antibody	Antibodies; Abs to Enzymes; Phosphatase
Applications Tested/Suitable for anti-INPPL1 antibody	ELISA (EL/EIA), Western Blot (WB)
Application Notes for anti-INPPL1 antibody	Suitable for use in ELISA and Western Blot.
Related Product Information for anti-INPPL1 antibody	SHIP2 (inositol polyphosphate-5 phosphatase-like 1), contains a phosphatase domain and an SH2 (src-homology domain 2) motif. SHIP2 iswidely expressed in fibroblast and nonhematopoietic tumor cell lines. Tyrosine phosphorylation of SHIP2 occurrs in response to treatment of cells with EGF, platelet-derived growth factor (PDGF), nerve growth factor (NGF), insulin-like growth factor-1 (IGF1), or insulin. EGF and PDGF induces transient tyrosine phosphorylation of SHIP2, while treatment of cells with NGF, IGF1, or insulin results in prolonged tyrosine phosphorylation of SHIP2, indicaating that SHIP2 may play a significant role in regulation of phosphatidylinositol 3-prime-kinase signaling by growth factors and insulin. Some animal models indicate that SHIP2 is a potent negative regulator of insulin signaling and insulin sensitivity in vivo, while others suggest that SHIP2 mediates obesity resistance but not changes in glucose and insulin homeostasis.

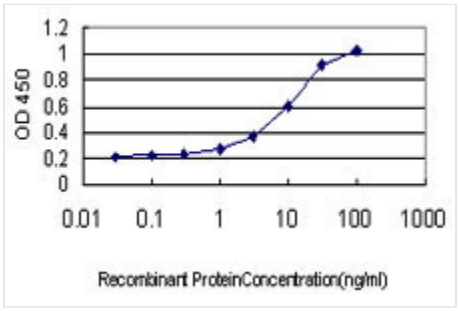
Other Notes	Small volumes of anti-INPPL1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for INPPL1 purchase	MBS6009605 is an antibody targeting INPPL1. Also known as SHIP2 (Phosphatidylinositol-3,4,5-trisphosphate 5-phosphatase 2, SH2 Domain-containing Inositol-5'-phosphatase 2, SH2 Domain-containing Inositol Phosphatase 2, SHIP-2, Inositol Polyphosphate Phosphatase-like Protein 1, INPPL-1, Protein 51C, INPPL1). Reactive in Human. Host: Mouse.



Western Blot (WB) of anti-INPPL1 antibody
Western Blot detection against Immunogen (36.74kD).



Western Blot (WB) of anti-INPPL1 antibody
INPPL1 monoclonal antibody Western Blot analysis of INPPL1 expression in HeLa.



Testing Data of anti-INPPL1 antibody
Detection limit for recombinant GST tagged INPPL1 is ~0.1ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for INPPL1. It may not necessarily be applicable to this product.

NCBI GI #	295646227
NCBI GeneID	100462718
NCBI Accession #	ADG23056.1
NCBI Official Full Name	SH2 domain-containing inositol-5'-phosphatase 2
NCBI Official Symbol	INPPL1
NCBI Official Synonym Symbols	SHIP2
Protein Family	Phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase
NCBI Protein Information	phosphatidylinositol-3,4,5-trisphosphate 5-phosphatase 2; SH2 domain-containing inositol-5'-phosphatase 2
Research Articles on INPPL1	**1.** we suggest that SHIP2 might play a role in the regulation of skeletal muscle development in pigs

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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