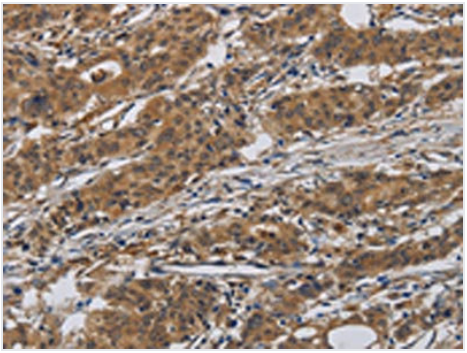
INPPL1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	INPPL1, Polyclonal Antibody
Full Product Name	INPPL1 Antibody
Product Gene Name	anti-INPPL1 antibody
Product Synonym Names	inositol polyphosphate phosphatase-like 1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid; In Phosphate Buffered Saline, pH 7.4, 0.05% NaN3, and 40% Glycerol
Purity/Purification	Antigen Affinity Purification
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	113,176 Da
OMIM	600829
3D Structure	ModBase 3D Structure for O15357
Immunogen	Synthetic peptide of human INPPL1
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-INPPL1 antibody	Cardiovascular
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-INPPL1 antibody	ELISA (EIA), Immunohistochemistry (IHC)
Application Notes for anti-INPPL1 antibody	ELISA: 1:2000-1:10000 IHC: 1:50-1:200
Related Product Information for anti-INPPL1 antibody	MBS7129129 is an antibody targeting INPPL1. Also known as INPPL1 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
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.



Immunohistochemistry (IHC)-Paraffin of anti-INPPL1 antibody
The image on the left is immunohistochemistry of paraffin-embedded Human gastic cancer tissue using MBS7129129(INPPL1 Antibody) at dilution 1/40, on the right is treated with synthetic peptide. (Original magnification: ×200)

ADDITIONAL DETAILS

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

NCBI GI #	269849650
NCBI GeneID	3636
NCBI Accession #	O15357.2
UniProt Primary Accession #	O15357
UniProt Secondary Accession #	Q13577; Q13578; B2RTX5
UniProt Related Accession #	O15357
NCBI Official Full Name	Phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase 2
NCBI Official Synonym Full Names	inositol polyphosphate phosphatase-like 1
NCBI Official Symbol	INPPL1
NCBI Official Synonym Symbols	OPSMD; SHIP2
UniProt Protein Name	Phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase 2
UniProt Synonym Protein Names	Inositol polyphosphate phosphatase-like protein 1; INPPL-1; Protein 51C; SH2 domain-containing inositol 5'-phosphatase 2; SH2 domain-containing inositol phosphatase 2; SHIP-2
Protein Family	Phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase
UniProt Gene Name	INPPL1
UniProt Synonym Gene Names	SHIP2; INPPL-1; SH2 domain-containing inositol phosphatase 2; SHIP-2
UniProt Entry Name	SHIP2_HUMAN
NCBI Protein Information	phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase 2; SHIP-2; INPPL-1; 51C protein; protein 51C; SH2 domain-containing inositol 5'-phosphatase 2; SH2 domain-containing inositol-5'-phosphatase 2; phosphatidylinositol-3,4,5-trisphosphate 5-phosphatase 2
NCBI Summary for INPPL1	The protein encoded by this gene is an SH2-containing 5'-inositol phosphatase that is involved in the regulation of insulin function. The encoded protein also plays a role in the regulation of epidermal growth factor receptor turnover and actin remodelling. Additionally, this gene supports metastatic growth in breast cancer and is a valuable biomarker for breast cancer. [provided by RefSeq, Jan 2009]

UniProt Comments for INPPL1	SHIP-2: an SH2-containing inositol phosphatase. Recruited to activated receptor complexes including insulin R, PDGFR and Fc-gamma-R. Protein type: Carbohydrate Metabolism - inositol phosphate; Phosphatase, lipid; Motility/polarity/chemotaxis; EC 3.1.3.86 Chromosomal Location of Human Ortholog: 11q13 Cellular Component: Golgi apparatus; cytoskeleton; lamellipodium; cytoplasm; plasma membrane; cytosol; filopodium Molecular Function: protein binding; hydrolase activity; SH2 domain binding; actin binding; SH3 domain binding Biological Process: inositol phosphate metabolic process; immune system process; actin filament organization; glucose metabolic process; endocytosis; response to insulin stimulus; post-embryonic development; negative regulation of cell proliferation; phospholipid metabolic process; phosphatidylinositol biosynthetic process; phosphoinositide dephosphorylation; cell adhesion; endochondral ossification Disease: Opsismodysplasia
Research Articles on INPPL1	**1.** SHIP2 play roles in normal development and at in cell proliferation in some cancer derived cells. [review]
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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