# SHIP-2 rabbit pAb

## Cat#: orb766831 (Manual)

For research use only. Not intended for diagnostic use.

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| **Product Name** | SHIP-2 rabbit pAb |
| **Host species** | Rabbit |
| **Applications** | WB;IHC;IF;ELISA |
| **Species Cross-Reactivity** | Human;Mouse;Rat |
| **Recommended dilutions** | Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. Not yet tested in other applications. |
| **Immunogen** | The antiserum was produced against synthesized peptide derived from the Internal region of human INPPL1. AA range:351-400 |
| **Specificity** | SHIP-2 Polyclonal Antibody detects endogenous levels of SHIP-2 protein. |
| **Formulation** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.. |
| **Storage** | Store at -20°C. Avoid repeated freeze-thaw cycles. |
| **Protein Name** | Phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase 2 |
| **Gene Name** | INPPL1 |
| **Cellular localization** | Cytoplasm, cytosol . Cytoplasm, cytoskeleton. Membrane ; Peripheral membrane protein. Cell projection, filopodium . Cell projection, lamellipodium . Nucleus . Nucleus speckle . Translocates to membrane ruffles when activated, translocation is probably due to different mechanisms depending on the stimulus and cell type. Partly translocated via its SH2 domain which mediates interaction with tyrosine phosphorylated receptors such as the FC-gamma-RIIB receptor (FCGR2B). Tyrosine phosphorylation may also participate in membrane localization. Insulin specifically stimulates its redistribution from the cytosol to the plasma membrane. Recruited to the membrane following M-CSF stimulation. In activated spreading platelets, |

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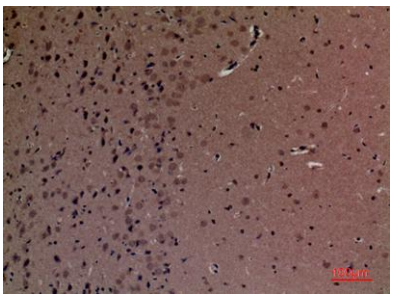
| | localizes with actin at filopodia, lamellipodia and the central actin ring. |
| **Purification** | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Clonality** | Polyclonal |
| **Concentration** | 1 mg/ml |
| **Observed band** | 130kD |
| **Human Gene ID** | 3636 |
| **Human Swiss-Prot Number** | O15357 |
| **Alternative Names** | INPPL1; SHIP2; Phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase 2; 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 |
| **Background** | 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], |



**Immunohistochemical analysis of paraffin-embedded mouse-brain, antibody was diluted at 1:100**

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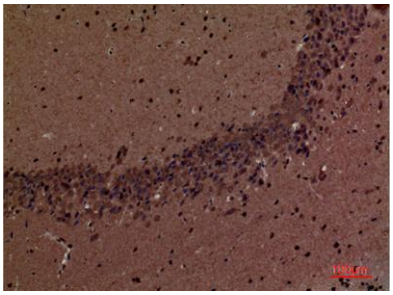

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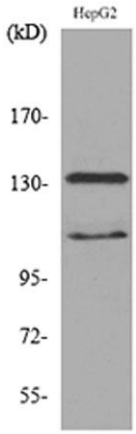


**Western blot analysis of lysate from HepG2 cells, using INPPL1 Antibody.**

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