



## I5P2 mouse mAb

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>                  | YP-mAb-11738                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Reactivity</b>                  | Human;Mouse;Rat                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Applications</b>                | WB                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Gene Name</b>                   | INPP5B OCRL2                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Immunogen</b>                   | Synthesized peptide derived from human I5P2 AA range: 292-342                                                                                                                                                                                                                                                                                                                                                   |
| <b>Specificity</b>                 | This antibody detects endogenous levels of I5P2 at Human/Mouse                                                                                                                                                                                                                                                                                                                                                  |
| <b>Formulation</b>                 | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>                      | Monoclonal, Mouse,IgG                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Purification</b>                | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                            |
| <b>Dilution</b>                    | WB 1:500-1:2000                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Synonyms</b>                    | 5PTase;INPP5B;Phosphoinositide 5 phosphatase;I5P2;INPP5B OCRL2                                                                                                                                                                                                                                                                                                                                                  |
| <b>Observed Band</b>               |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Calculated Molecular Weight</b> |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Cell Pathway</b>                | Cytoplasm, cytosol . Endoplasmic reticulum-Golgi intermediate compartment . Early endosome membrane . Membrane ; Peripheral membrane protein ; Cytoplasmic side . Cytoplasmic vesicle, phagosome membrane . Golgi apparatus .                                                                                                                                                                                   |
| <b>Tissue Specificity</b>          | Platelets.                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Function</b>                    | catalytic activity:1-phosphatidyl-1D-myo-inositol 4,5-bisphosphate + H(2)O = 1-phosphatidyl-1D-myo-inositol 4-phosphate + phosphate.,function:Hydrolyzes the calcium-mobilizing second messenger Ins(1,4,5)P3, this is a signal-terminating reaction.,similarity:Belongs to the inositol-1,4,5-trisphosphate 5-phosphatase type II family.,similarity:Contains 1 Rho-GAP domain.,tissue specificity:Platelets., |
| <b>Background</b>                  | This gene encodes a member of a family of inositol polyphosphate-5-phosphatases. These enzymes function in the regulation of calcium signaling by inactivating inositol phosphates. The encoded protein is localized to the cytosol and mitochondria, and associates with membranes through an isoprenyl                                                                                                        |



modification near the C-terminus. Alternatively spliced transcript variants of this gene have been described. [provided by RefSeq, Jul 2014],

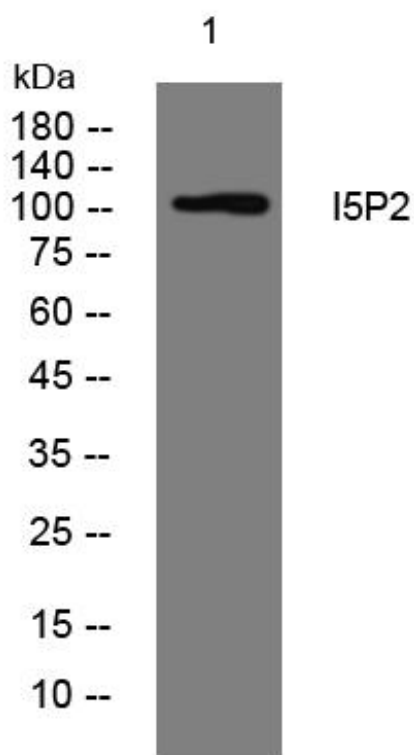
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**



Western Blot analysis of various cells using I5P2 mouse mAb