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# INPP4B Antibody

Rabbit mAb
Catalog # AP90773

## Product Information

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|---|---|
| **Application** | WB, IHC, FC |
| **Primary Accession** | O15327 |
| **Reactivity** | Rat, Human, Mouse |
| **Clonality** | Monoclonal |
| **Other Names** | 4-bisphosphate 4-phosphatase; Inositol polyphosphate 4 phosphatase type II 105kDa; Inositol polyphosphate 4-phosphatase type II; Inpp4b; MGC132014; Type II inositol 3, 4 bisphosphate 4 phosphatase; Type II inositol-3; |
| **Isotype** | Rabbit IgG |
| **Host** | Rabbit |
| **Calculated MW** | 104738 |

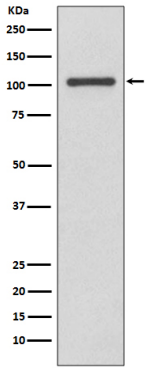
## Additional Information

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| **Dilution** | WB 1:1000~1:2000 IHC 1:50~1:200 FC 1:50 |
| **Purification** | Affinity-chromatography |
| **Immunogen** | A synthesized peptide derived from human INPP4B |
| **Description** | Catalyzes the hydrolysis of the 4-position phosphate of phosphatidylinositol 3,4-bisphosphate, inositol 1,3,4-trisphosphate and inositol 1,4-bisphosphate. |
| **Storage Condition and Buffer** | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle. |

## Protein Information

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|---|---|
| **Name** | INPP4B |
| **Function** | Catalyzes the hydrolysis of the 4-position phosphate of phosphatidylinositol 3,4-bisphosphate, inositol 1,3,4-trisphosphate and inositol 3,4-trisphosphate (PubMed:24070612, PubMed:24591580). Plays a role in the late stages of macropinocytosis by dephosphorylating phosphatidylinositol 3,4-bisphosphate in membrane ruffles (PubMed:24591580). The lipid phosphatase activity is critical for tumor suppressor function. Antagonizes the PI3K-AKT/PKB signaling pathway by dephosphorylating phosphoinositides and thereby modulating cell cycle progression and cell survival (PubMed:19647222, PubMed:24070612). |
| **Tissue Location** | Widely expressed with highest levels occurring in the skeletal muscle and heart. |

## Images




Western blot analysis of INPP4B expression in MCF-7 cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.