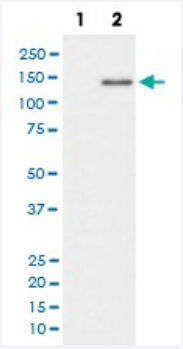
# INPP5D (phospho Y1020) monoclonal antibody, clone HFF-9

Catalog # MAB20568 Size 100 uL

## Applications




### Western Blot (Cell lysate)

Western Blot analysis of (1) Raji cell lysate, (2) Raji cell treated with pervanadate lysate using INPP5D (phospho Y1020) monoclonal antibody, clone HFF-9.

## Specification

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| **Product Description** | Rabbit monoclonal antibody raised against synthetic phosphopeptide of human INPP5D. |
| **Immunogen** | A synthetic phosphopeptide corresponding to residues surrounding Y1020 of human INPP5D. |
| **Host** | Rabbit |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Purification** | Affinity purification |
| **Isotype** | IgG |
| **Recommend Usage** | Immunocytochemistry (1:50-1:200)<br>Immunofluorescence (1:50-1:200)<br>Immunoprecipitation (1:20)<br>Western Blot (1:1000-1:2000)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.4-0.5 mg/mL BSA, 0.02% sodium azide). |

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| **Storage Instruction** | Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

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- Immunocytochemistry
- Immunofluorescence
- Immunoprecipitation

## Gene Info — INPP5D

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| **Entrez GeneID** | 3635 |
| **Protein Accession#** | Q92835 |
| **Gene Name** | INPP5D |
| **Gene Alias** | MGC104855, MGC142140, MGC142142, SHIP, SHIP1, SIP-145, hp51CN |
| **Gene Description** | inositol polyphosphate-5-phosphatase, 145kDa |
| **Omim ID** | 601582 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | This gene is a member of the inositol polyphosphate-5-phosphatase (INPP5) family and encodes a protein with an N-terminal SH2 domain, an inositol phosphatase domain, and two C-terminal pr otein interaction domains. Expression of this protein is restricted to hematopoietic cells where its movement from the cytosol to the plasma membrane is mediated by tyrosine phosphorylation. At t he plasma membrane, the protein hydrolyzes the 5' phosphate from phosphatidylinositol (3,4,5)-tri sphosphate and inositol-1,3,4,5-tetrakisphosphate, thereby affecting multiple signaling pathways. Overall, the protein functions as a negative regulator of myeliod cell proliferation and survival. Alter nate transcriptional splice variants, encoding different isoforms, have been characterized. [provid ed by RefSeq |

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| **Other Designations** | SH2 containing inositol phosphatase\|SH2 containing inositol phosphatase, isoform b\|p150Ship\|signaling inositol polyphosphate 5 phosphatase SIP-145 |

## Pathway

- B cell receptor signaling pathway
- Fc epsilon RI signaling pathway
- Fc gamma R-mediated phagocytosis
- Insulin signaling pathway
- Phosphatidylinositol signaling system

## Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Hepatitis C
- Tobacco Use Disorder