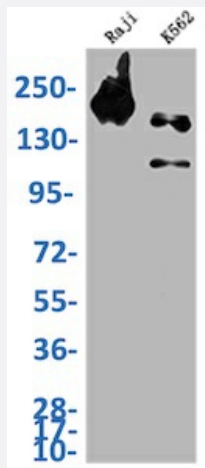


RecomAb™

# INPP5D recombinant monoclonal antibody, clone 9G11

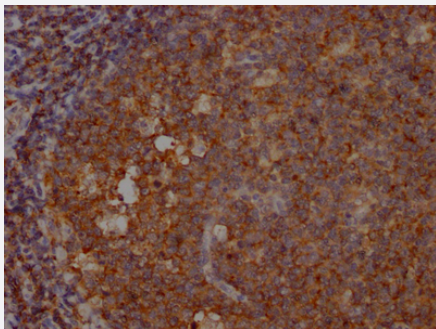
Catalog # RAB04025      Size 100 uL

## Applications



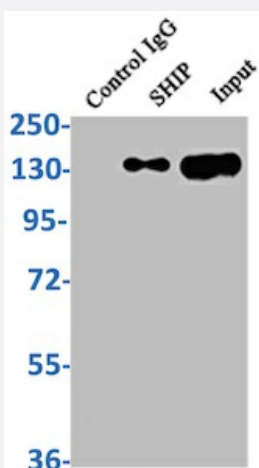
### Western Blot

Western Blot analysis of Lane 1: Raji whole cell lysate; Lane 2: K562 whole cell lysate.



### Immunohistochemistry

Immunohistochemistry image of INPP5D recombinant monoclonal antibody, clone 9G11 diluted at 1:100 and staining in paraffin-embedded human tonsil tissue performed on a Leica Bond™ system.



### Immunoprecipitation

Immunoprecipitating SHIP in Raji whole cell lysate.

## Specification

<b>Product Description</b>	Rabbit recombinant monoclonal antibody raised against human INPP5D.
<b>Antibody Species</b>	Rabbit
<b>Immunogen</b>	Original antibody is raised against recombinant protein corresponding to full length human INPP5D.
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Affinity-chromatography
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	ELISA Immunohistochemistry (1:50-1:200) Immunoprecipitation(1:200-1:1000) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
<b>Storage Instruction</b>	store at -20 °C or -80 °C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot

Western Blot analysis of Lane 1: Raji whole cell lysate; Lane 2: K562 whole cell lysate.

- Immunohistochemistry

Immunohistochemistry image of INPP5D recombinant monoclonal antibody, clone 9G11 diluted at 1:100 and staining in paraffin-embedded human tonsil tissue performed on a Leica Bond™ system.

- Immunoprecipitation

Immunoprecipitating SHIP in Raji whole cell lysate.

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — INPP5D

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 protein 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 the plasma membrane, the protein hydrolyzes the 5' phosphate from phosphatidylinositol (3,4,5)-trisphosphate and inositol-1,3,4,5-tetrakisphosphate, thereby affecting multiple signaling pathways. Overall, the protein functions as a negative regulator of myeloid cell proliferation and survival. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq]

**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](#)