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Datasheet for ABIN7127806

## Recombinant anti-INPP5D antibody

### 3 Images

#### Overview

Quantity:	100 µL
Target:	INPP5D
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This INPP5D antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunoprecipitation (IP)

#### Product Details

Immunogen:	A synthesized peptide derived from human SHIP
Clone:	9G11
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Affinity-chromatography

#### Target Details

Target:	INPP5D
Alternative Name:	INPP5D ( <a href="#">INPP5D Products</a> )
Background:	Background: Phosphatidylinositol (PtdIns) phosphatase that specifically hydrolyzes the 5-

## Target Details

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phosphate of phosphatidylinositol-3,4,5-trisphosphate (PtdIns(3,4,5)P3) to produce PtdIns(3,4)P2, thereby negatively regulating the PI3K (phosphoinositide 3-kinase) pathways. Acts as a negative regulator of B-cell antigen receptor signaling. Mediates signaling from the FC-gamma-RIIB receptor (FCGR2B), playing a central role in terminating signal transduction from activating immune/hematopoietic cell receptor systems. Acts as a negative regulator of myeloid cell proliferation/survival and chemotaxis, mast cell degranulation, immune cells homeostasis, integrin alpha-IIb/beta-3 signaling in platelets and JNK signaling in B-cells. Regulates proliferation of osteoclast precursors, macrophage programming, phagocytosis and activation and is required for endotoxin tolerance. Involved in the control of cell-cell junctions, CD32a signaling in neutrophils and modulation of EGF-induced phospholipase C activity. Key regulator of neutrophil migration, by governing the formation of the leading edge and polarization required for chemotaxis. Modulates FCGR3/CD16-mediated cytotoxicity in NK cells. Mediates the activin/TGF-beta-induced apoptosis through its Smad-dependent expression. May also hydrolyze PtdIns(1,3,4,5)P4, and could thus affect the levels of the higher inositol polyphosphates like InsP6.

Aliases: Phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase 1 (EC 3.1.3.86) (Inositol polyphosphate-5-phosphatase of 145 kDa) (SIP-145) (SH2 domain-containing inositol 5'-phosphatase 1) (SH2 domain-containing inositol phosphatase 1) (SHIP-1) (p150Ship) (hp51CN), INPP5D, SHIP SHIP1

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UniProt: [Q92835](#)

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Pathways: [TCR Signaling](#), [BCR Signaling](#), [Warburg Effect](#)

## Application Details

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Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:50-1:200, IP:1:200-1:1000,

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: Rabbit IgG in phosphate buffered saline, pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

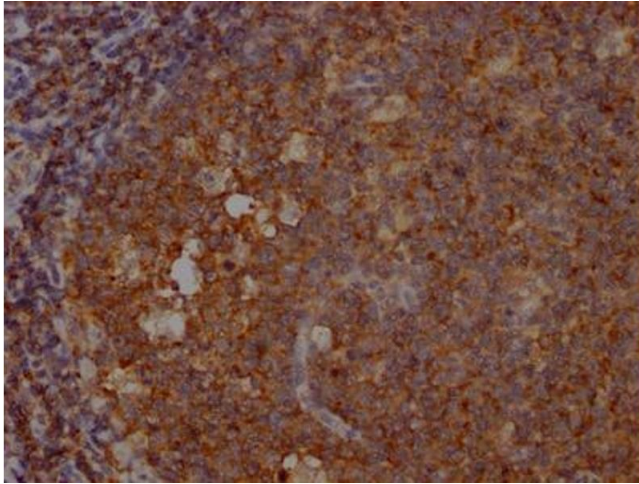
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## Handling

Storage: -20 °C,-80 °C

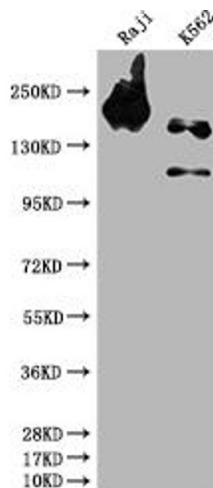
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

## Images



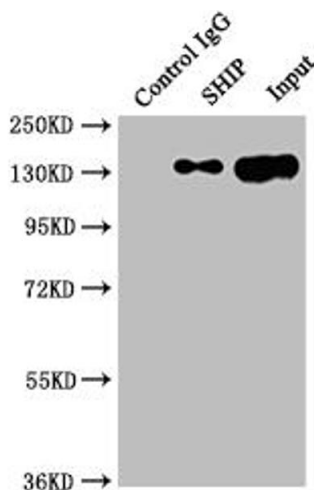
### Immunohistochemistry

**Image 1.** IHC image of ABIN7127806 diluted at 1:100 and staining in paraffin-embedded human tonsil tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05 % DAB.



### Western Blotting

**Image 2.** Western Blot Positive WB detected in: Raji whole cell lysate, K562 whole cell lysate All lanes: INPP5D antibody at 1:1500 Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 134, 110 kDa Observed band size: 145 kDa



### Western Blotting

**Image 3.** Immunoprecipitating SHIP in Raji whole cell lysate Lane 1: Rabbit control IgG instead of ABIN7127806 in Raji whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000) Lane 2: ABIN7127806(2 µg)+ Raji whole cell lysate(500 µg) Lane 3: Raji whole cell lysate (10 µg)