

RACO0281

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## Product Information

**Size:**

50ul

**Reactivity:**

Human

**Source:**

Homo sapiens (Human)

**Isotype:**

Rabbit IgG

**Applications:**

ELISA, WB, IHC, IP

**Recommended dilutions:**

WB:1:500-1:5000, IHC:1:50-1:200, IP:1:200-1:1000

**Protein Background:**

Phosphatidylinositol (PtdIns) phosphatase that specifically hydrolyzes the 5-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.

**Gene ID:**

INPP5D

**Uniprot**

Q92835

**Synonyms:**

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

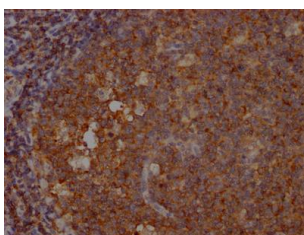
**Immunogen:**

A synthesized peptide derived from human SHIP.

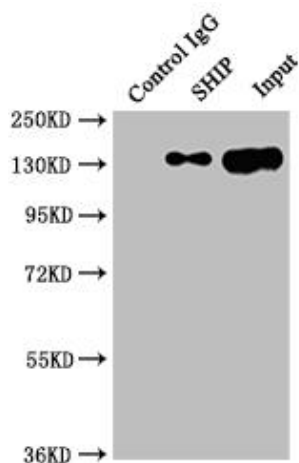
**Storage:**

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

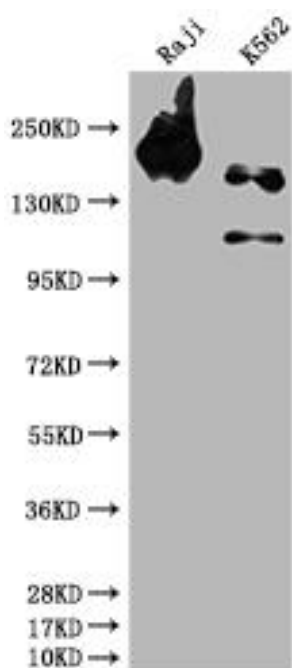
## Product Images



IHC image of RACO0281 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 30min 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.



Immunoprecipitating SHIP in Raji whole cell lysate) Lane 1: Rabbit control IgG instead of RACO0281 in Raji whole cell lysate)  
For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000)  
Lane 2: RACO0281(2µg)+ Raji whole cell lysate)(500µg)  
Lane 3: Raji whole cell lysate) (10µg)



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