

## INPP5D RABBIT PAB

**Cat.#:** S217813

**Product Name:** Anti-INPP5D Rabbit Polyclonal Antibody

**Synonyms:** SHIP; SHIP1; SHIP-1; hp51CN; SIP-145; p150Ship

**UNIPROT ID:** Q92835 (Gene Accession - BC113580 )

**Background:** 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. The protein is also partly localized to the nucleus, where it may be involved in nuclear inositol phosphate signaling processes. Overall, the protein functions as a negative regulator of myeloid cell proliferation and survival. Mutations in this gene are associated with defects and cancers of the immune system. Alternative splicing of this gene results in multiple transcript variants.

**Immunogen:** Fusion protein of human INPP5D

**Applications:** ELISA, IHC

**Recommended Dilutions:** IHC: 200-300; ELISA: 5000-10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

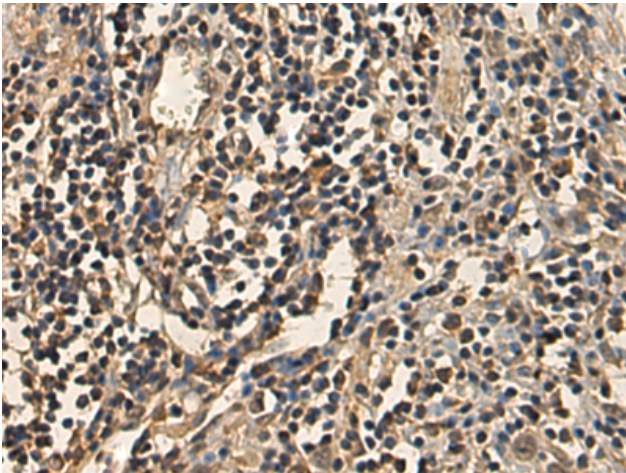
**Purification:** Antigen affinity purification

**Species Reactivity:** Human

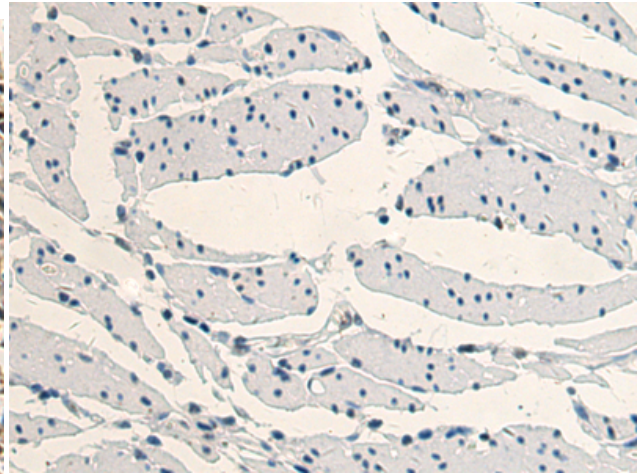
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Signal Transduction, Immunology

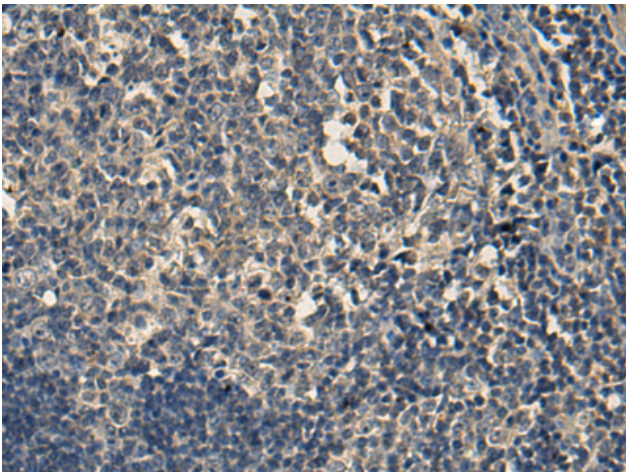
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



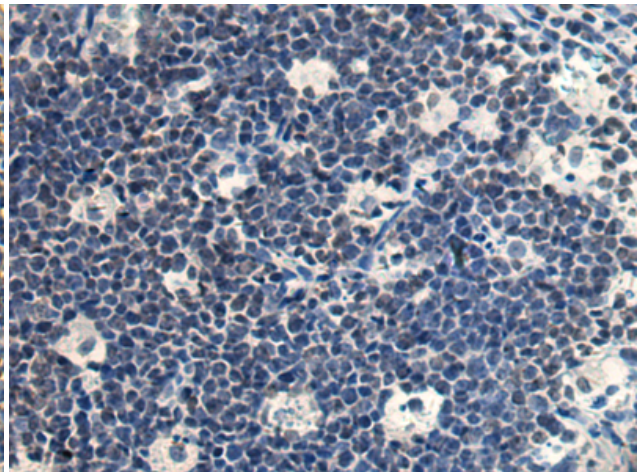
Immunohistochemistry analysis of paraffin embedded Human esophagus cancer tissue using 217813 (INPP5D Antibody) at a dilution of 1/160 (Cytoplasm).



In comparison with the IHC on the left, the same paraffin-embedded Human esophagus cancer tissue is first treated with the fusion protein and then with 217813 (Anti-INPP5D Antibody) at dilution 1/160.



The image on the left is immunohistochemistry of paraffin-embedded Human tonsil tissue using 217813 (Anti-INPP5D Antibody) at a dilution of 1/160.



In comparison with the IHC on the left, the same paraffin-embedded Human tonsil tissue is first treated with fusion protein and then with D223145 (Anti-INPP5D Antibody) at dilution 1/160.