

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

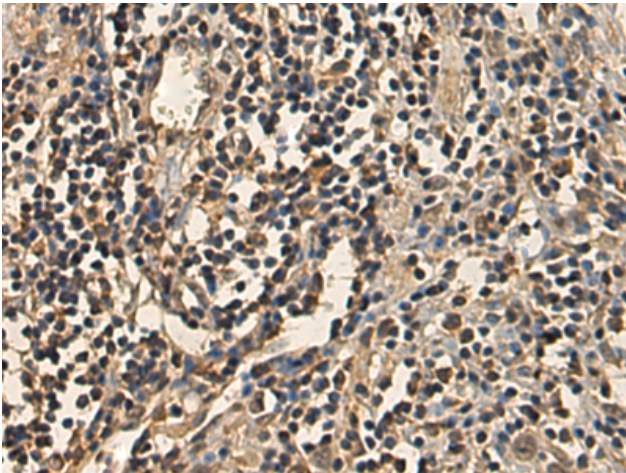
Purification: Antigen affinity purification

Species Reactivity: Human

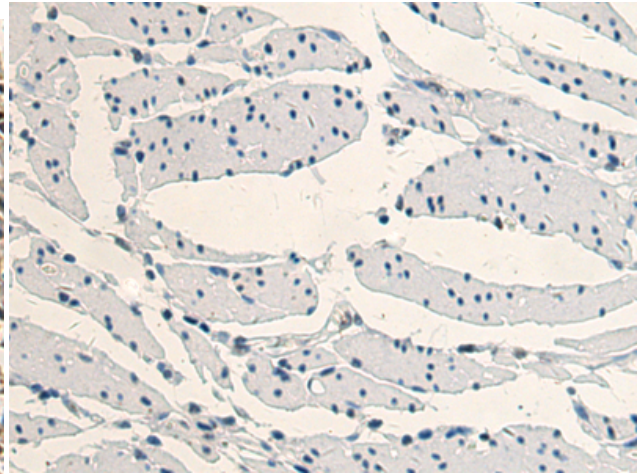
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Signal Transduction, Immunology

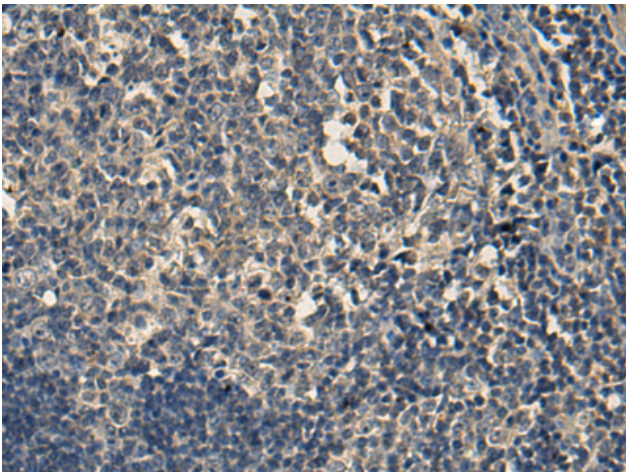
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



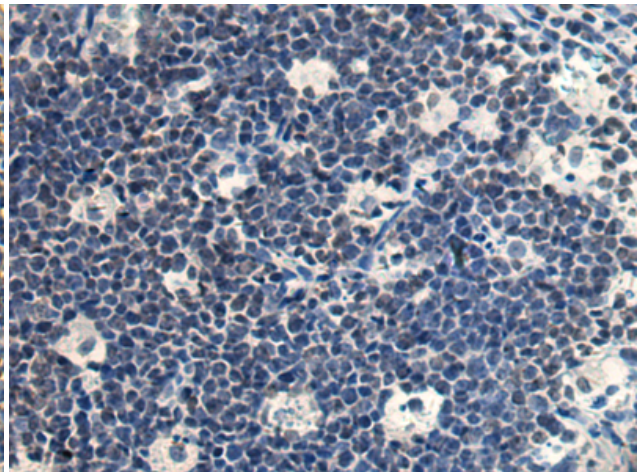
Immunohistochemistry analysis of paraffin embedded Human esophagus cancer tissue using 217813 (INPP5D Antibody) at a dilution of 1/160 (Cytoplasm).



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.