

PSTPIP1 RABBIT PAB

Cat.#: S219386

Product Name: Anti-PSTPIP1 Rabbit Polyclonal Antibody

Synonyms: H-PIP; PAPAS; CD2BP1; PSTPIP; CD2BP1L; CD2BP1S

UNIPROT ID: O43586 (Gene Accession - BC008602)

Background: This gene encodes a cytoskeletal protein that is highly expressed in hemopoietic tissues. This protein functions via its interaction with several different proteins involved in cytoskeletal organization and inflammatory processes. It binds to the cytoplasmic tail of CD2, an effector of T cell activation and adhesion, downregulating CD2-triggered adhesion. It binds PEST-type protein tyrosine phosphatases (PTP) and directs them to c-Abl kinase to mediate c-Abl dephosphorylation, thereby, regulating c-Abl activity. It also interacts with pynin, which is found in association with the cytoskeleton in myeloid/monocytic cells and modulates immunoregulatory functions. Mutations in this gene are associated with PAPA (pyogenic sterile arthritis, pyoderma gangrenosum, and acne) syndrome. It is hypothesized that the disease-causing mutations compromise physiologic signaling necessary for the maintenance of a proper inflammatory response.

Immunogen: Fusion protein of human PSTPIP1

Applications: ELISA, IHC

Recommended Dilutions: IHC: 150-300; ELISA: 5000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

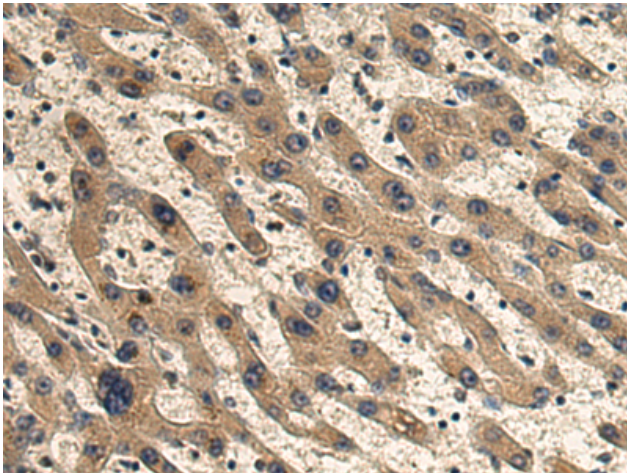
Purification: Antigen affinity purification

Species Reactivity: Human, Mouse

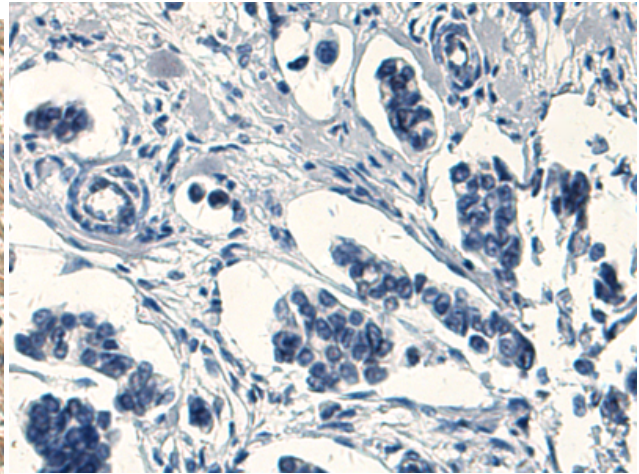
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Signal Transduction

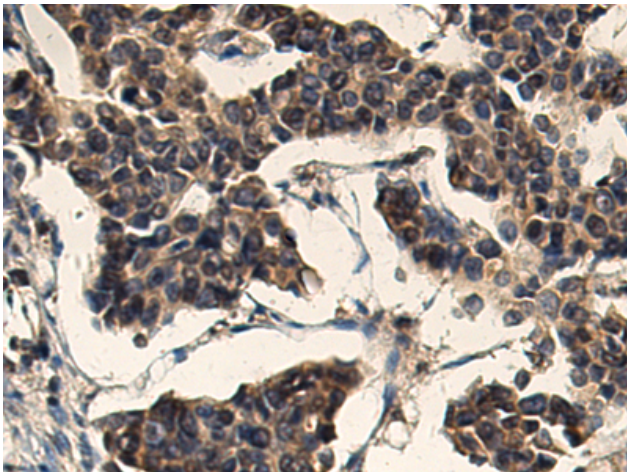
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



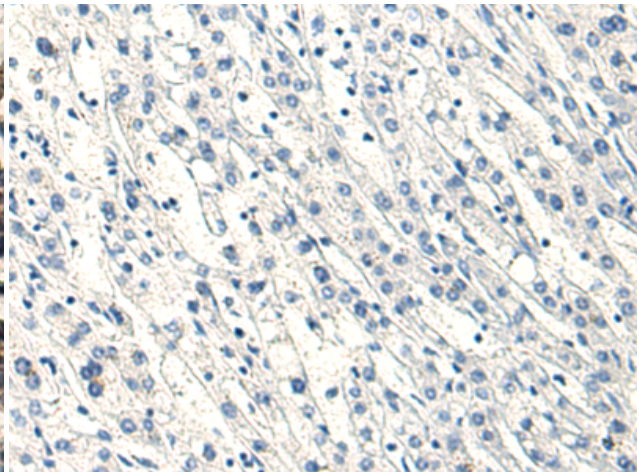
Immunohistochemistry analysis of paraffin embedded Human liver cancer tissue using 219386 (PSTPI1 Antibody) at a dilution of 1/120 (Cytoplasm).



In comparison with the IHC on the left, the same paraffin-embedded Human liver cancer tissue is first treated with the fusion protein and then with 219386 (Anti-PSTPI1 Antibody) at dilution 1/120.



The image on the left is immunohistochemistry of paraffin-embedded Human breast cancer tissue using 219386 (Anti-PSTPI1 Antibody) at a dilution of 1/120.



In comparison with the IHC on the left, the same paraffin-embedded Human breast cancer tissue is first treated with fusion protein and then with D226615 (Anti-PSTPI1 Antibody) at dilution 1/120.