

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## **ELP2 RABBIT PAB**

Cat.#: S217146

**Product Name:** Anti-ELP2 Rabbit Polyclonal Antibody

Synonyms: StIP; StIP1; SHINC-2; STATIP1

UNIPROT ID: Q6IA86 (Gene Accession - BC032553)

**Background:** One member of the STAT family, Stat3, participates in a wide range of biological processes including nephrogenesis, gliogenesis, hepatogenesis, T cell proliferation, inflammation and oncogenesis. Many of these responses are triggered by the IL-6 family of cytokines, which transduce their vital signals through a common gp130 receptor chain . A novel Stat3-Interacting Protein, StIP1, contains 12 WD40 repeats, which mediate protein-protein interactions . StIP1 exhibits an affinity for members of the JNK family and may play a specific role in regulating Stat3 activation. Overexpression of StIP1 blocks Stat3 activation, nuclear translocation and Stat3-dependent induction of a reporter gene, suggesting that StIP1 regulates the ligand-dependent activation of Stat3, probably by serving as a scaffold protein that promotes the interaction between JNK and the Stat3 substrate.

**Immunogen:** Fusion protein of human ELP2

Applications: ELISA, IHC

Recommended Dilutions: IHC: 100-300; ELISA: 2000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

Purification: Antigen affinity purification

Species Reactivity: Human, Rat

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

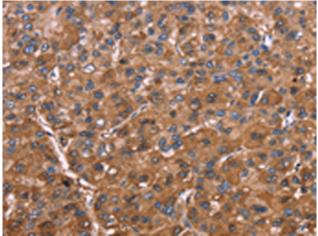
Research Areas: Signal Transduction, Epigenetics and Nuclear Signaling

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

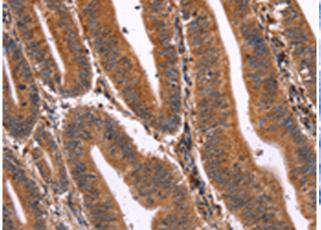


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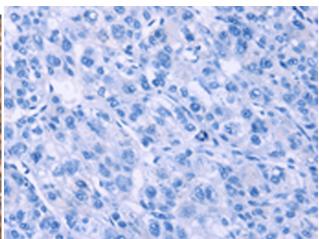
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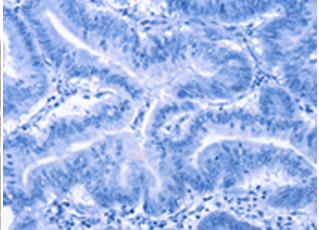
Immunohistochemistry analysis of paraffin embedded Human liver cancer tissue using 217146(ELP2 Antibody) at a dilution of 1/40(Cytoplasm).



The image on the left is immunohistochemistry of paraffinembedded Human colon cancer tissue using 217146(Anti-ELP2 Antibody) at a dilution of 1/40.



In comparision with the IHC on the left, the same paraffin-embedded Human liver cancer tissue is first treated with the fusion protein and then with 217146(Anti-ELP2 Antibody) at dilution 1/40.



In comparision with the IHC on the left, the same paraffin-embedded Human colon cancer tissue is first treated with fusion protein and then with D221875(Anti-ELP2 Antibody) at dilution 1/40.