

STAT5B RABBIT PAB

Cat.#: S216262

Product Name: Anti-STAT5B Rabbit Polyclonal Antibody

Synonyms: STAT5; GHISID2

UNIPROT ID: P51692 (Gene Accession - BC020868)

Background: The protein encoded by this gene is a member of the STAT family of transcription factors. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. This protein mediates the signal transduction triggered by various cell ligands, such as IL2, IL4, CSF1, and different growth hormones. It has been shown to be involved in diverse biological processes, such as TCR signaling, apoptosis, adult mammary gland development, and sexual dimorphism of liver gene expression. This gene was found to fuse to retinoic acid receptor-alpha (RARA) gene in a small subset of acute promyelocytic leukemias (APL). The dysregulation of the signaling pathways mediated by this protein may be the cause of the APL.

Immunogen: Fusion protein of human STAT5B

Applications: ELISA, WB, IHC

Recommended Dilutions: IHC: 50-200;WB: 500-2000;ELISA: 5000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

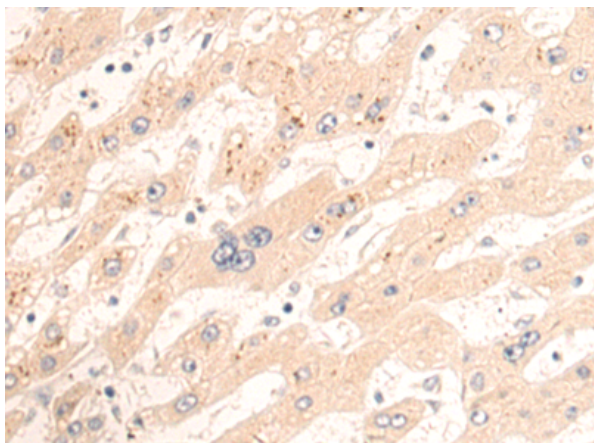
Purification: Antigen affinity purification

Species Reactivity: Human, Mouse, Rat

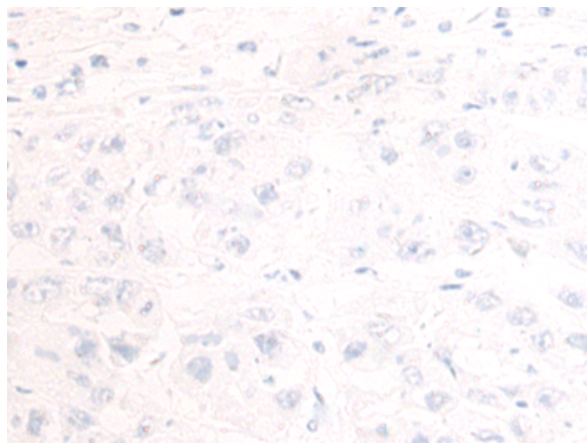
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Signal Transduction, Epigenetics and Nuclear Signaling, Cancer, Cardiovascular

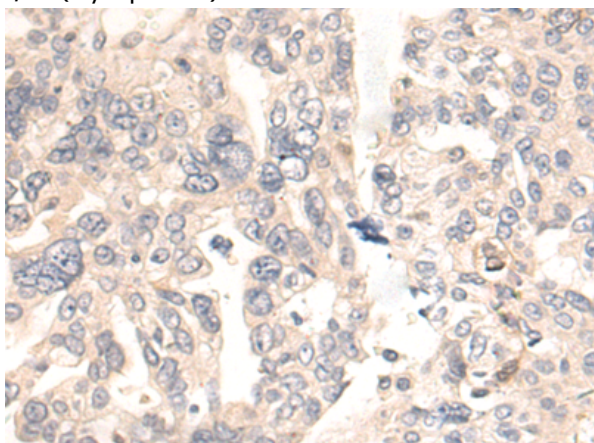
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



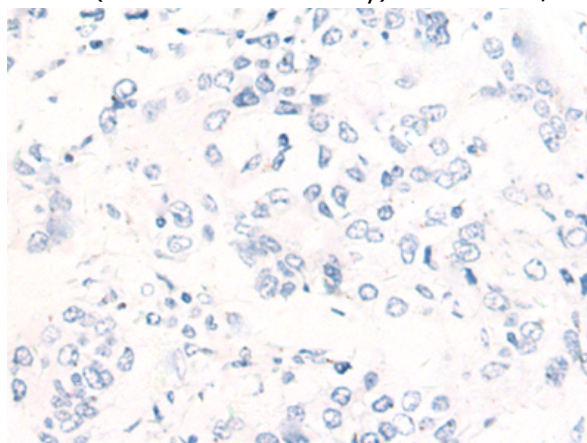
Immunohistochemistry analysis of paraffin embedded Human liver cancer tissue using 216262(STAT5B Antibody) at a dilution of 1/55(Cytoplasm).



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 216262(Anti-STAT5B Antibody) at dilution 1/55.



The image on the left is immunohistochemistry of paraffin-embedded Human breast cancer tissue using 216262(Anti-STAT5B Antibody) at a dilution of 1/55.



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 D220087(Anti-STAT5B Antibody) at dilution 1/55.

kDa

250—
130—
100—
70—
55—
35—



Gel: 6%SDS-PAGE, Lysate: 40 µg;
Lane: Raji cell lysate;
Primary antibody: 216262(STAT5B Antibody) at dilution 1/800;
Secondary antibody: HRP-conjugated Goat anti rabbit IgG at 1/5000 dilution;
Exposure time: 90 seconds



Product Description

Pioneering GTPase and Oncogene Product Development since 2010
