ARHGEF3 RABBIT PAB

Cat.#: S217042

Product Name: Anti-ARHGEF3 Rabbit Polyclonal Antibody

Synonyms: GEF3; STA3; XPLN

UNIPROT ID: Q9NR81 (Gene Accession - BC099715)

Background: Rho-like GTPases are involved in a variety of cellular processes, and they are activated by binding GTP and inactivated by conversion of GTP to GDP by their intrinsic GTPase activity. Guanine nucleotide exchange factors (GEFs) accelerate the GTPase activity of Rho GTPases by catalyzing their release of bound GDP. This gene encodes a guanine nucleotide exchange factor, which specifically activates two members of the Rho GTPase family: RHOA and RHOB, both of which have a role in bone cell biology. It has been identified that genetic variation in this gene plays a role in the determination of bone mineral density (BMD), indicating the implication of this gene in postmenopausal osteoporosis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Immunogen: Fusion protein of human ARHGEF3

Applications: ELISA, IHC

Recommended Dilutions: IHC: 25-100; ELISA: 2000-5000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

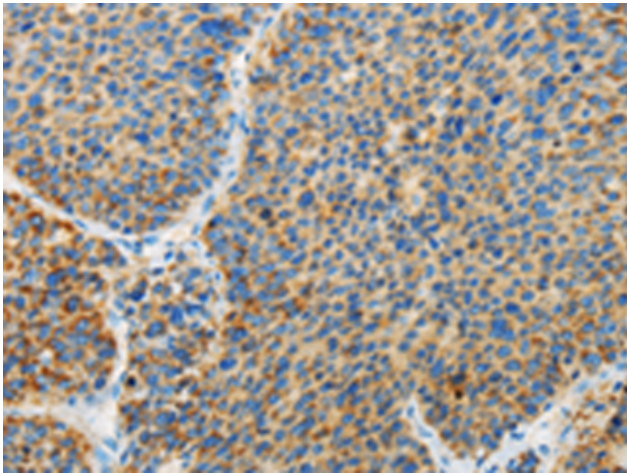**Isotype:** Immunogen-specific rabbit IgG

Purification: Antigen affinity purification

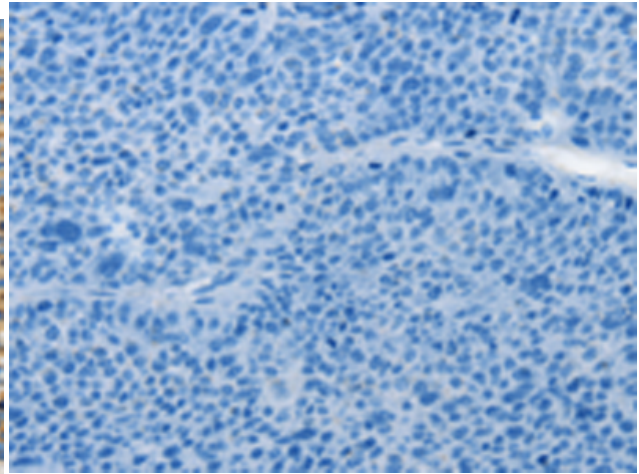**Species Reactivity:** Human, Mouse

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

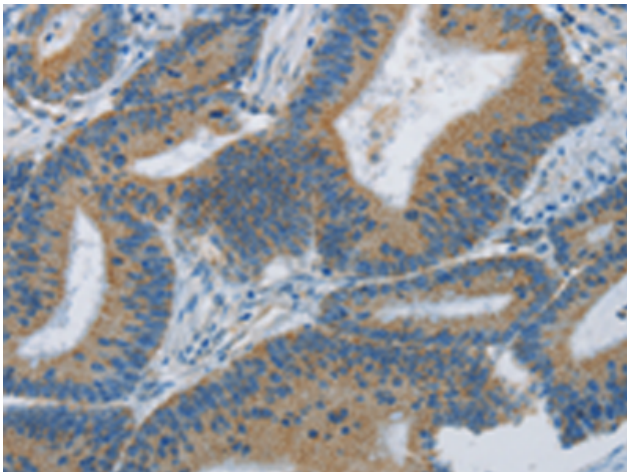**Research Areas:** Metabolism, Signal Transduction

Storage & Shipping: Store at -20ºC. Avoid repeated freezing and thawing
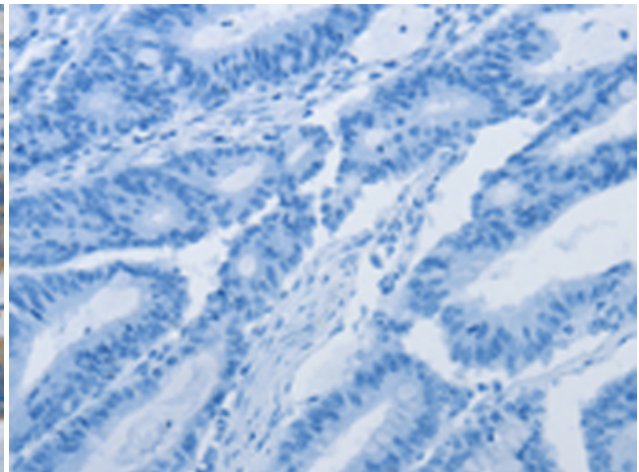
Immunohistochemistry analysis of paraffin embedded Human liver cancer tissue using 217042(ARHGEF3 Antibody) at a dilution of 1/25(Cytoplasm).

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 217042(Anti-ARHGEF3 Antibody) at dilution 1/25.

The image on the left is immunohistochemistry of paraffin-embedded Human colon cancer tissue using 217042(Anti-ARHGEF3 Antibody) at a dilution of 1/25.

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 D221694(Anti-ARHGEF3 Antibody) at dilution 1/25.