

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## SPATA13 RABBIT PAB

Cat.#: S210613

**Product Name:** Anti-SPATA13 Rabbit Polyclonal Antibody

Synonyms: ASEF2; ARHGEF29; RP11-307N16.3

UNIPROT ID: Q96N96 (Gene Accession - BC109291)

**Background:** Acts as guanine nucleotide exchange factor (GEF) for RHOA, RACI and CDC42 GTPases. Regulates cell migration and adhesion assembly and disassembly through a RACI, PI3K, RHOA and AKTIdependent mechanism. Increases both RACI and CDC42 activity, but decreases the amount of active RHOA. Required for MMP9 up-regulation via the JNK signaling pathway in colorectal tumor cells. Involved in tumor angiogenesis and may play a role in intestinal adenoma formation and tumor progression. Both the ABR and the SH3 domains contribute to maintaining the protein in an inhibited conformation by associating with the C-terminal tail. Binding of these domains to the C-terminal tail inhibits the activity of the protein by blocking a region that is required for its GEF activity.

Immunogen: Fusion protein of human SPATA13

Applications: ELISA, WB, IHC

Recommended Dilutions: IHC: 25-100;WB: 200-1000;ELISA: 1000-2000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

Purification: Antigen affinity purification

Species Reactivity: Human, Mouse

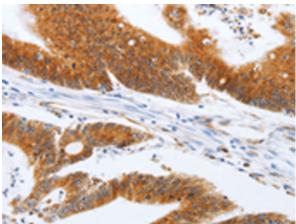
**Constituents:** PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol **Research Areas:** Signal Transduction, Cardiovascular

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

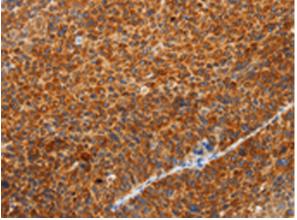


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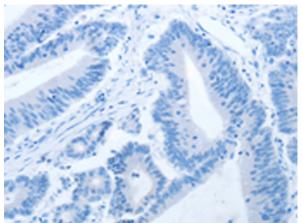
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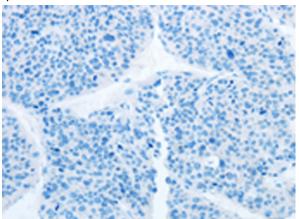
Immunohistochemistry analysis of paraffin embedded Human colon cancer tissue using 210613(SPATA13 Antibody) at a dilution of 1/20(Cytoplasm).



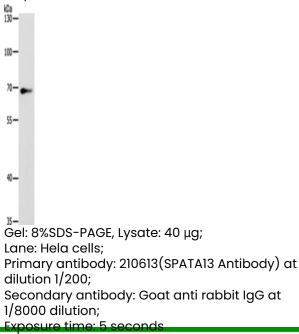
paraffin-embedded Human liver cancer tissue using 210613(Anti-SPATA13 Antibody) at a dilution first treated with fusion protein and then with of 1/20.



In comparision with the IHC on the left, the same paraffin-embedded Human colon cancer tissue is first treated with the fusion protein and then with 210613 (Anti-SPATA13 Antibody) at dilution 1/20.



The image on the left is immunohistochemistry of In comparision with the IHC on the left, the same paraffin-embedded Human liver cancer tissue is D121280(Anti-SPATA13 Antibody) at dilution 1/20.





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