

Product Description

Pioneering GTPase and Oncogene Product Development since 2010

RGS14 RABBIT PAB

Cat.#: S211491

Product Name: Anti-RGS14 Rabbit Polyclonal Antibody

Synonyms:

UNIPROT ID: O43566 (Gene Accession - BC014094)

Background: This gene encodes a member of the regulator of G-protein signaling family. This protein contains one RGS domain, two Raf-like Ras-binding domains (RBDs), and one GoLoco domain. The protein attenuates the signaling activity of G-proteins by binding, through its GoLoco domain, to specific types of activated, GTP-bound G alpha subunits. Acting as a GTPase activating protein (GAP), the protein increases the rate of conversion of the GTP to GDP. This hydrolysis allows the G alpha subunits to bind G beta/gamma subunit heterodimers, forming inactive G-protein heterotrimers, thereby terminating the signal. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized.

Immunogen: Fusion protein of human RGS14

Applications: ELISA, WB, IHC

Recommended Dilutions: IHC: 150-300;WB: 500-2000;ELISA: 5000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG **Purification:** Antigen affinity purification

Species Reactivity: Human

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

glycerol

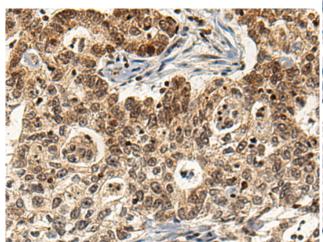
Research Areas: Signal Transduction

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

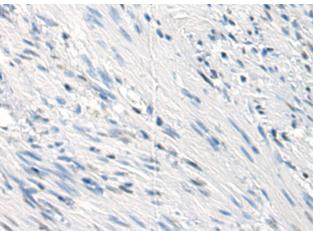


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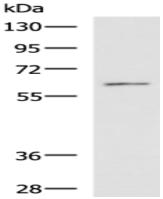
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Immunohistochemistry analysis of paraffin embedded Human gastric cancer tissue using 211491(RGS14 Antibody) at a dilution of 1/160(Cytoplasm and Nucleus).



In comparision with the IHC on the left, the same paraffin-embedded Human gastric cancer tissue is first treated with the fusion protein and then with 211491(Anti-RGS14 Antibody) at dilution 1/160.



Gel: 8%SDS-PAGE, Lysate: 40 µg;

Lane: Jurkat cell lysate;

Primary antibody: 211491(RGS14 Antibody) at

dilution 1/1000;

Secondary antibody: HRP-conjugated Goat

anti rabbit IgG at 1/5000 dilution;

Exposure time: 1 minute