

VRK1 RABBIT PAB

Cat.#: S212038

Product Name: Anti-VRK1 Rabbit Polyclonal Antibody

Synonyms: PCHI; PCH1A

UNIPROT ID: Q99986 (Gene Accession - BC113510)

Background: This gene encodes a member of the vaccinia-related kinase (VRK) family of serine/threonine protein kinases. This gene is widely expressed in human tissues and has increased expression in actively dividing cells, such as those in testis, thymus, fetal liver, and carcinomas. Its protein localizes to the nucleus and has been shown to promote the stability and nuclear accumulation of a transcriptionally active p53 molecule and, in vitro, to phosphorylate Thr18 of p53 and reduce p53 ubiquitination. This gene, therefore, may regulate cell proliferation. This protein also phosphorylates histone, casein, and the transcription factors ATF2 (activating transcription factor 2) and c-JUN.

Immunogen: Fusion protein of human VRK1

Applications: ELISA, WB, IHC

Recommended Dilutions: IHC: 100-300;WB: 500-2000;ELISA: 5000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

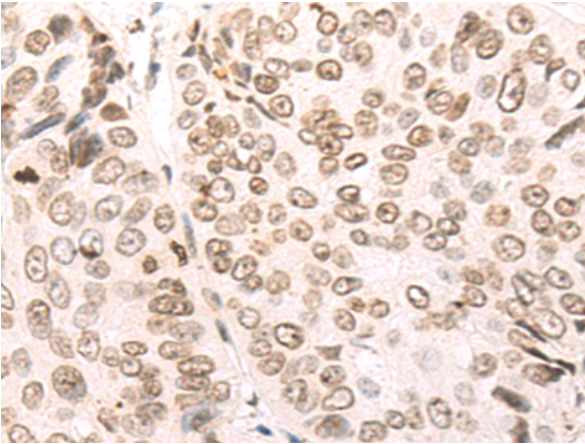
Purification: Antigen affinity purification

Species Reactivity: Human, Mouse

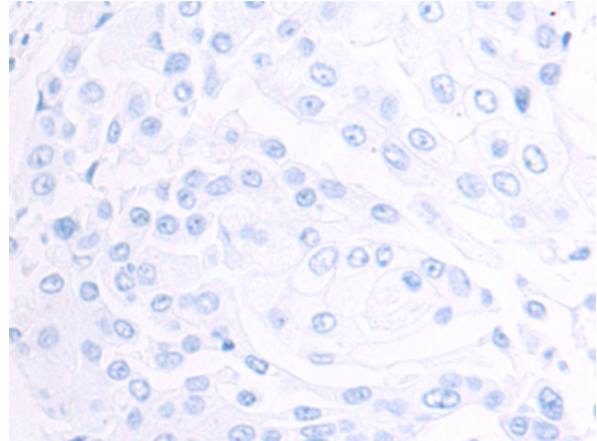
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

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

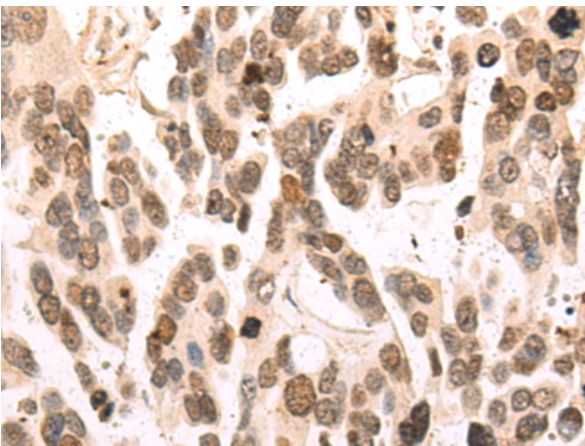
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



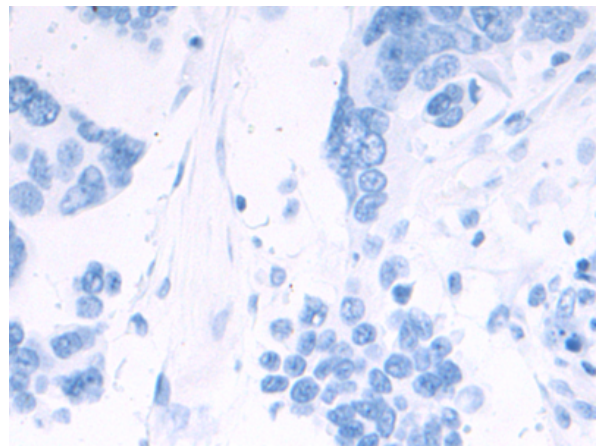
Immunohistochemistry analysis of paraffin embedded Human esophagus cancer tissue using 212038(VRK1 Antibody) at a dilution of 1/110(Nucleus).



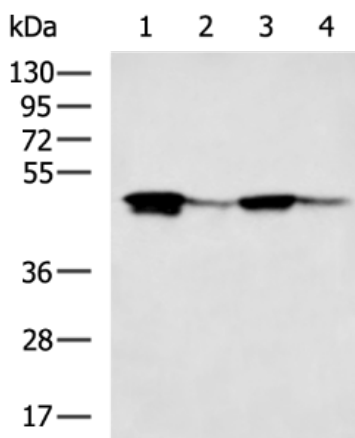
In comparison with the IHC on the left, the same paraffin-embedded Human esophagus cancer tissue is first treated with the fusion protein and then with 212038(Anti-VRK1 Antibody) at dilution 1/110.



The image on the left is immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using 212038(Anti-VRK1 Antibody) at a dilution of 1/110.



In comparison with the IHC on the left, the same paraffin-embedded Human colorectal cancer tissue is first treated with fusion protein and then with D124115(Anti-VRK1 Antibody) at dilution 1/110.



Gel: 8%SDS-PAGE, Lysate: 40 µg;
Lane 1-4: Jurkat, HeLa, 293T, 231 cell lysates;
Primary antibody: 212038(VRK1 Antibody) at dilution 1/700;
Secondary antibody: HRP-conjugated Goat anti rabbit IgG at 1/5000 dilution;
Exposure time: 5 seconds



Product Description

Pioneering GTPase and Oncogene Product Development since 2010
