

Product Description

Pioneering GTPase and Oncogene Product Development since 2010

IFNA2 RABBIT PAB

Cat.#: S218710

Product Name: Anti-IFNA2 Rabbit Polyclonal Antibody **Synonyms:** IFNA; IFNA2B; leIF A; IFN-alphaA; IFN-alpha-2

UNIPROT ID: P01563

Background: This gene is a member of the alpha interferon gene cluster on chromosome 9. The encoded cytokine is a member of the type I interferon family that is produced in response to viral infection as a key part of the innate immune response with potent antiviral, antiproliferative and immunomodulatory properties. This cytokine, like other type I interferons, binds a plasma membrane receptor made of IFNAR1 and IFNAR2 that is ubiquitously expressed, and thus is able to act on virtually all body cells. The encoded protein is effective in reducing the symptoms and duration of the common cold and in treating many types of cancer, including some hematological malignancies and solid tumors. A deficiency of type I interferon in the blood is thought to be a hallmark of severe COVID-19 and may provide a rationale for a combined therapeutic approach.

Immunogen: Fusion protein of human IFNA2

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

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

glycerol

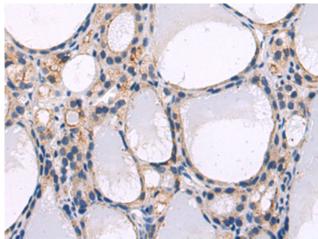
Research Areas: Cancer, Immunology

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

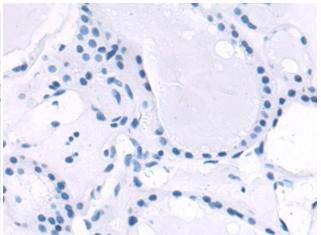


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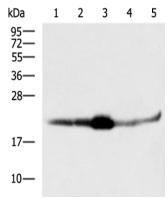
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Immunohistochemistry analysis of paraffin embedded Human thyroid cancer tissue using 218710(IFNA2 Antibody) at a dilution of 1/50(Cytoplasm).



In comparision with the IHC on the left, the same paraffin-embedded Human thyroid cancer tissue is first treated with the fusion protein and then with 218710(Anti-IFNA2 Antibody) at dilution 1/50.



Gel: 12%SDS-PAGE, Lysate: 40 µg; Lane 1-5: Mouse fetal liver tissue, HepG2, 293T, Hela cell, Mouse liver tissue lysates; Primary antibody: 218710(IFNA2 Antibody) at dilution 1/600;

Secondary antibody: HRP-conjugated Goat anti rabbit IgG at 1/5000 dilution;

Exposure time: 20 seconds