

## IFNB1 RABBIT PAB

**Cat.#:** S218708

**Product Name:** Anti-IFNB1 Rabbit Polyclonal Antibody

**Synonyms:** IFB; IFF; IFNB; IFN-beta

**UNIPROT ID:** P01574

**Background:** This gene encodes a cytokine that belongs to the interferon family of signaling proteins, which are released as part of the innate immune response to pathogens. The protein encoded by this gene belongs to the type I class of interferons, which are important for defense against viral infections. In addition, type I interferons are involved in cell differentiation and anti-tumor defenses. Following secretion in response to a pathogen, type I interferons bind a homologous receptor complex and induce transcription of genes such as those encoding inflammatory cytokines and chemokines. Overactivation of type I interferon secretion is linked to autoimmune diseases. Mice deficient for this gene display several phenotypes including defects in B cell maturation and increased susceptibility to viral infection.

**Immunogen:** Fusion protein of human IFNB1

**Applications:** ELISA, IHC

**Recommended Dilutions:** IHC: 50-200; ELISA: 5000-10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

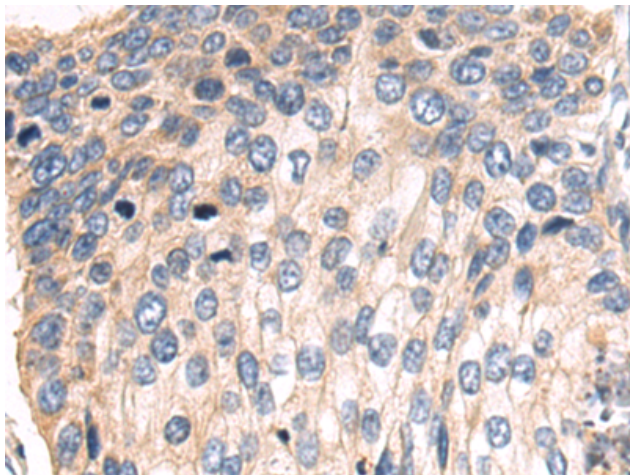
**Purification:** Antigen affinity purification

**Species Reactivity:** Human

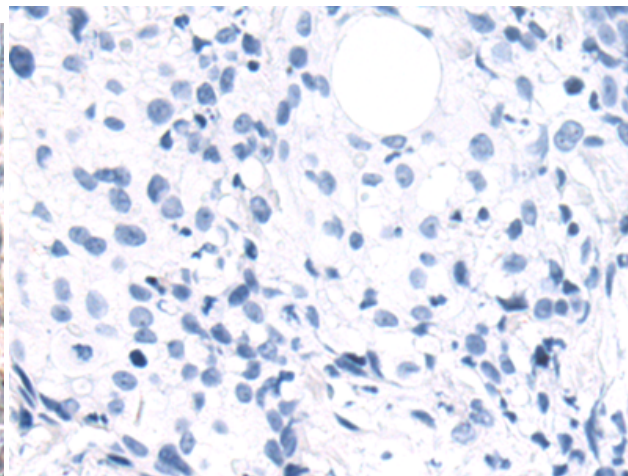
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Signal Transduction, Cancer, Immunology

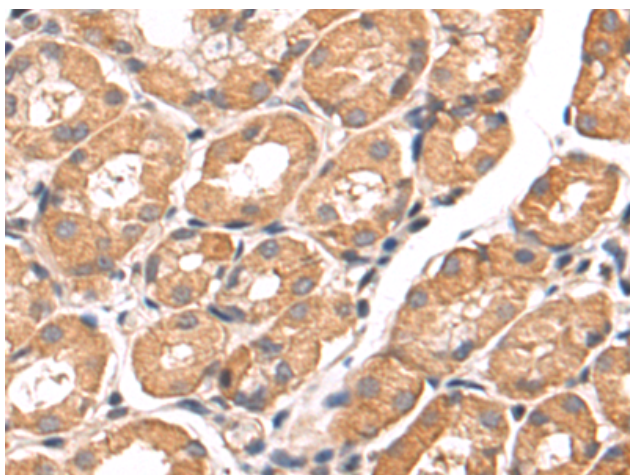
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



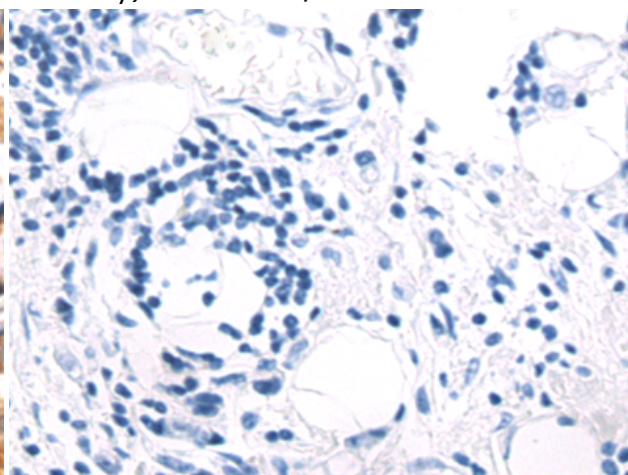
Immunohistochemistry analysis of paraffin embedded Human cervical cancer tissue using 218708 (IFNBI Antibody) at a dilution of 1/50 (Cytoplasm).



In comparison with the IHC on the left, the same paraffin-embedded Human cervical cancer tissue is first treated with the fusion protein and then with 218708 (Anti-IFNBI Antibody) at dilution 1/50.



The image on the left is immunohistochemistry of paraffin-embedded Human gastric cancer tissue using 218708 (Anti-IFNBI Antibody) at a dilution of 1/50.



In comparison with the IHC on the left, the same paraffin-embedded Human gastric cancer tissue is first treated with fusion protein and then with D225035 (Anti-IFNBI Antibody) at dilution 1/50.