

## IFIT3 RABBIT PAB

**Cat.#:** S218738

**Product Name:** Anti-IFIT3 Rabbit Polyclonal Antibody

**Synonyms:** P60; IRG2; IFI60; IFIT4; ISG60; RIG-G; cig41; CIG-49; GARG-49

**UNIPROT ID:** O14879 (Gene Accession - BC001383 )

**Background:** IFN-induced antiviral protein which acts as an inhibitor of cellular as well as viral processes, cell migration, proliferation, signaling, and viral replication. Enhances MAVS-mediated host antiviral responses by serving as an adapter bridging TBK1 to MAVS which leads to the activation of TBK1 and phosphorylation of IRF3 and phosphorylated IRF3 translocates into nucleus to promote antiviral gene transcription. Exhibits an antiproliferative activity via the up-regulation of cell cycle negative regulators CDKN1A/p21 and CDKN1B/p27. Normally, CDKN1B/p27 turnover is regulated by COPS5, which binds CDKN1B/p27 in the nucleus and exports it to the cytoplasm for ubiquitin-dependent degradation. IFIT3 sequesters COPS5 in the cytoplasm, thereby increasing nuclear CDKN1B/p27 protein levels. Upregulates CDKN1A/p21 by downregulating MYC, a repressor of CDKN1A/p21. Can negatively regulate the apoptotic effects of IFIT2.

**Immunogen:** Fusion protein of human IFIT3

**Applications:** ELISA, WB, IHC

**Recommended Dilutions:** IHC: 20-100;WB: 200-1000;ELISA: 5000-10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

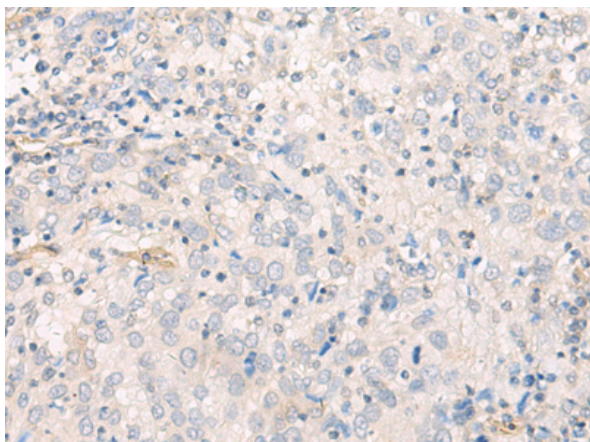
**Purification:** Antigen affinity purification

**Species Reactivity:** Human

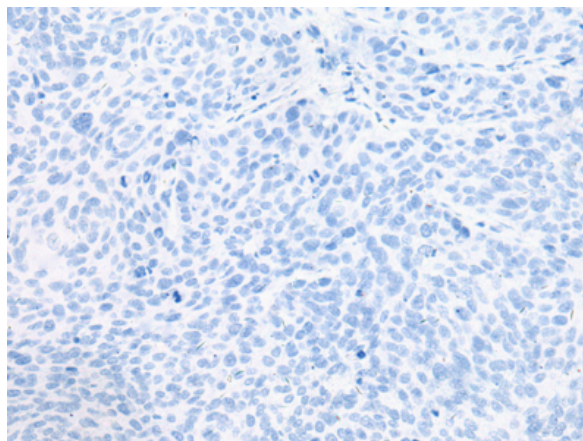
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Immunology

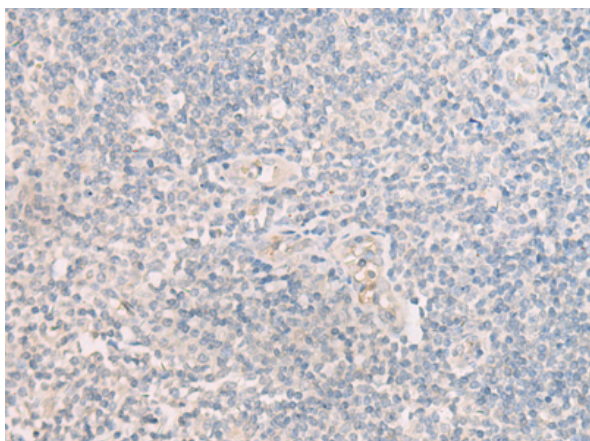
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



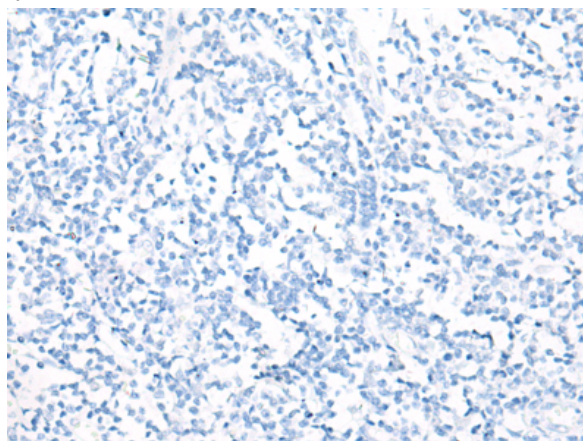
Immunohistochemistry analysis of paraffin embedded Human cervical cancer tissue using 218738(IFIT3 Antibody) at a dilution of 1/20(Cytoplasm).



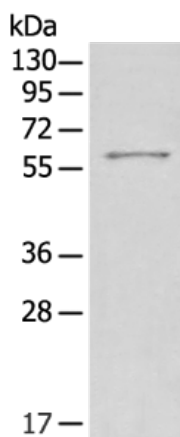
In comparison with the IHC on the left, the same paraffin-embedded Human cervical cancer tissue is first treated with the fusion protein and then with 218738(Anti-IFIT3 Antibody) at dilution 1/20.



The image on the left is immunohistochemistry of paraffin-embedded Human tonsil tissue using 218738(Anti-IFIT3 Antibody) at a dilution of 1/20.



In comparison with the IHC on the left, the same paraffin-embedded Human tonsil tissue is first treated with fusion protein and then with D225086(Anti-IFIT3 Antibody) at dilution 1/20.



Gel: 8%SDS-PAGE, Lysate: 40 µg;  
Lane: HEPG2 cell lysate;  
Primary antibody: 218738(IFIT3 Antibody) at dilution 1/250;  
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution;  
Exposure time: 10 seconds



# Product Description

Pioneering GTPase and Oncogene Product Development since 2010

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