

Anti-IFIT3 antibody



Description	Unconjugated Rabbit polyclonal to IFIT3
Model	STJ190317
Host	Rabbit
Reactivity	Human
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human IFIT3 protein.
Immunogen Region	330-410aa
Gene ID	3437
Gene Symbol	IFIT3
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	IFIT3 Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	Expression significantly higher in peripheral blood mononuclear cells (PBMCs) and monocytes from systemic lupus erythematosus (SLE) patients than in those from healthy individuals (at protein level). Spleen, lung, leukocytes, lymph nodes, placenta, bone marrow and fetal liver.
Purification	IFIT3 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Interferon-induced protein with tetratricopeptide repeats 3 IFIT-3 CIG49 ISG-60 Interferon-induced 60 kDa protein IFI-60K Interferon-induced protein with tetratricopeptide repeats 4 IFIT-4 Retinoic acid-indu

Molecular Weight	53 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:5411 OMIM:604650
Alternative Names	Interferon-induced protein with tetratricopeptide repeats 3 IFIT-3 CIG49 ISG-60 Interferon-induced 60 kDa protein IFI-60K Interferon-induced protein with tetratricopeptide repeats 4 IFIT-4 Retinoic acid-indu
Function	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.
Cellular Localization	Cytoplasm. Mitochondrion.