

Rabbit anti-Human Interferon-induced protein with tetratricopeptide repeats 3 Polyclonal Antibody | anti-IFIT3 antibody

Rabbit anti-human Interferon-induced protein with tetratricopeptide repeats 3 polyclonal Antibody

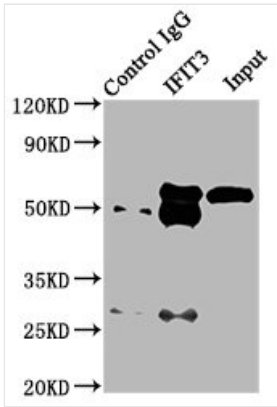
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA119852	Rabbit	Human	Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

Interferon-induced protein with tetratricopeptide repeats 3; Polyclonal Antibody; Rabbit anti-human Interferon-induced protein with tetratricopeptide repeats 3 polyclonal Antibody; IFIT-3; CIG49; ISG-60; Interferon-induced 60 kDa protein; IFI-60K; Interferon-induced protein with tetratricopeptide repeats 4; IFIT-4; Retinoic acid-induced gene G protein; P60; RIG-G; anti-IFIT3 antibody

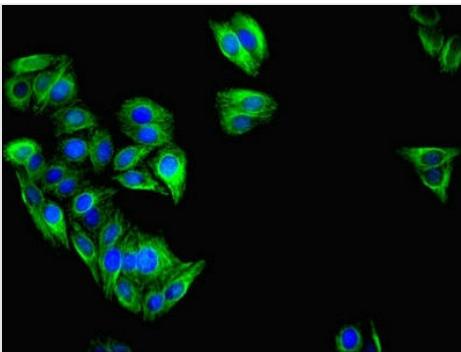
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation Purified
Sequence Length	490
Applicable Applications for anti-IFIT3 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Conjugate	Non-conjugated
Immunogen	Recombinant human Interferon-induced protein with tetratricopeptide repeats 3 protein(1-490aa)
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-82950 / sc-82954 / sc-133687
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.



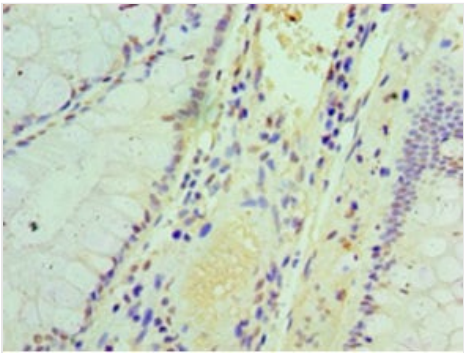
IP (Immunoprecipitation)

Immunoprecipitating IFIT3 in HepG2 whole cell lysate Lane 1: Rabbit control IgG (1ug) instead of AAA119852 in HepG2 whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000) Lane 2: AAA119852 (6ug) + HepG2 whole cell lysate (500ug) Lane 3: HepG2 whole cell lysate (10ug)



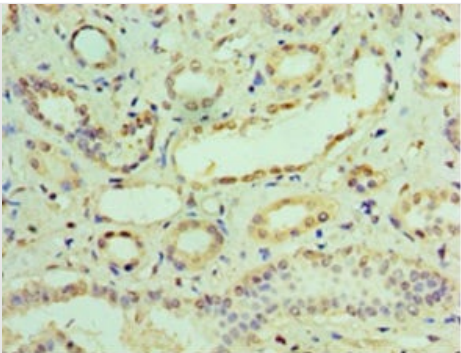
IF (Immunofluorescence)

Immunofluorescent analysis of HepG2 cells using AAA119852 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



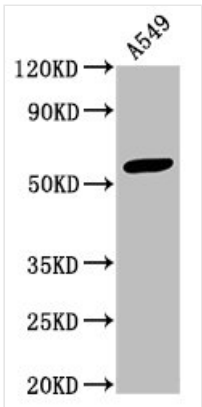
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human colon cancer using AAA119852 at dilution 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human kidney using AAA119852 at dilution 1:100



WB (Western Blot)

Western Blot Positive WB detected in: A549 whole cell lysate All lanes: IFIT3 antibody at 3.3ug/ml Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 56 KDa Observed band size: 56 KDa

ADDITIONAL INFORMATION

Related Product Information for anti-IFIT3 antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	72534658
NCBI GeneID	3437
NCBI Accession #	NP_001026853.1
NCBI GenBank Nucleotide #	NM_001031683.3
UniProt Accession #	O14879; Q99634; Q9BSK7
Molecular Weight	55,985 Da
NCBI Official Full Name	interferon-induced protein with tetratricopeptide repeats 3 isoform a
NCBI Official Synonym Full Names	interferon induced protein with tetratricopeptide repeats 3
NCBI Official Symbol	IFIT3
NCBI Official Synonym Symbols	P60; IRG2; IFI60; IFIT4; ISG60; RIG-G; cig41; CIG-49; GARG-49
NCBI Protein Information	interferon-induced protein with tetratricopeptide repeats 3
UniProt Protein Name	Interferon-induced protein with tetratricopeptide repeats 3
UniProt Gene Name	IFIT3
UniProt Synonym Gene Names	CIG-49; IFI60; IFIT4; ISG60; IFIT-3; IFI-60K; IFIT-4; P60; RIG-G
UniProt Entry Name	IFIT3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.