

## ARG56283 anti-IFIT3 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes IFIT3
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	IFIT3
Species	Human
Immunogen	Recombinant protein of Human IFIT3
Conjugation	Un-conjugated
Alternate Names	GARG-49; P60; IRG2; CIG-49; IFIT-3; IFIT-4; Retinoic acid-induced gene G protein; RIG-G; Interferon-induced 60 kDa protein; ISG-60; IFI60; Interferon-induced protein with tetratricopeptide repeats 4; ISG60; IFI-60K; cig41; Interferon-induced protein with tetratricopeptide repeats 3; IFIT4; CIG49

### Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:200
	WB	1:200-1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	A549	

### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Database links

[GeneID: 15959 Mouse](#)

[GeneID: 3437 Human](#)

[Swiss-port # O14879 Human](#)

[Swiss-port # Q64345 Mouse](#)

### Gene Symbol

IFIT3

### Gene Full Name

interferon-induced protein with tetratricopeptide repeats 3

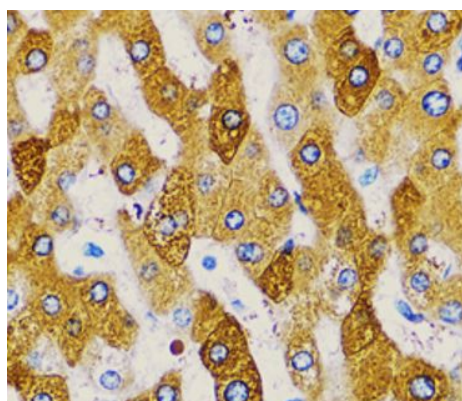
### Function

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. [UniProt]

### Calculated Mw

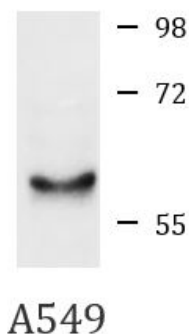
56 kDa

## Images



ARG56283 anti-IFIT3 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human liver stained with ARG56283 anti-IFIT3 antibody at 1:100 dilution.



ARG56283 anti-IFIT3 antibody WB image

Western blot: A549 cell lysate stained with ARG56283 anti-IFIT3 antibody.