

Datasheet for ABIN7156663
anti-IFIT1 antibody (AA 1-181)

4 Images

[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	IFIT1
Binding Specificity:	AA 1-181
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IFIT1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Interferon-induced protein with tetratricopeptide repeats 1 protein (1-181AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	>95%, Protein G purified

Target Details

Target:	IFIT1
Alternative Name:	IFIT1 (IFIT1 Products)
Background:	Background: Interferon-induced antiviral RNA-binding protein that specifically binds single-

Target Details

stranded RNA bearing a 5'-triphosphate group (PPP-RNA), thereby acting as a sensor of viral single-stranded RNAs and inhibiting expression of viral messenger RNAs. Single-stranded PPP-RNAs, which lack 2'-O-methylation of the 5' cap and bear a 5'-triphosphate group instead, are specific from viruses, providing a molecular signature to distinguish between self and non-self mRNAs by the host during viral infection. Directly binds PPP-RNA in a non-sequence-specific manner. Viruses evolved several ways to evade this restriction system such as encoding their own 2'-O-methylase for their mRNAs or by stealing host cap containing the 2'-O-methylation (cap snatching mechanism). Exhibits antiviral activity against several viruses including human papilloma and hepatitis C viruses.

Aliases: C56 antibody, G10P1 antibody, GARG 16 antibody, GARG16 antibody, IFI 56 antibody, IFI 56K antibody, IFI-56K antibody, IFI56 antibody, IFIT-1 antibody, Ifit1 antibody, IFIT1_HUMAN antibody, IFNAI1 antibody, Interferon alpha inducible protein (MW 56kD) antibody, Interferon induced 56 kDa protein antibody, Interferon induced protein 56 antibody, Interferon inducible mRNA 561 antibody, Interferon-induced 56 kDa protein antibody, Interferon-induced protein with tetratricopeptide repeats 1 antibody, ISG56 antibody, OTTHUMP00000020062 antibody, P56 antibody, RNM561 antibody

UniProt: [P09914](#)

Pathways: [Hepatitis C](#)

Application Details

Application Notes: Recommended dilution: WB:1:200-1:5000, IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

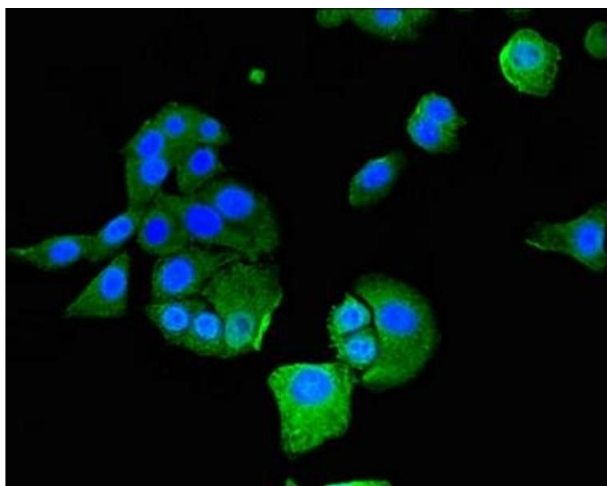
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

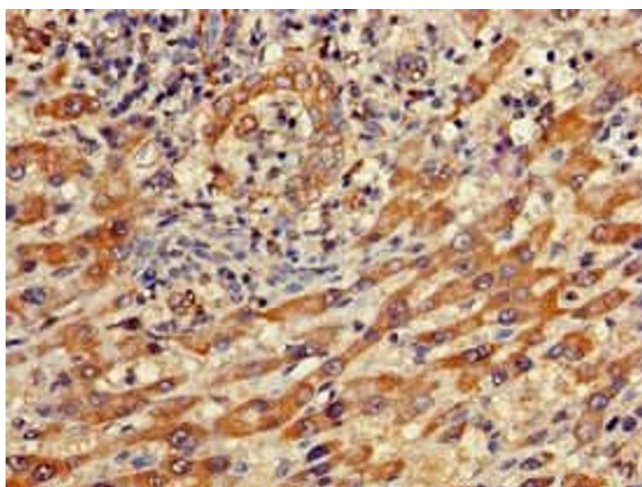
Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



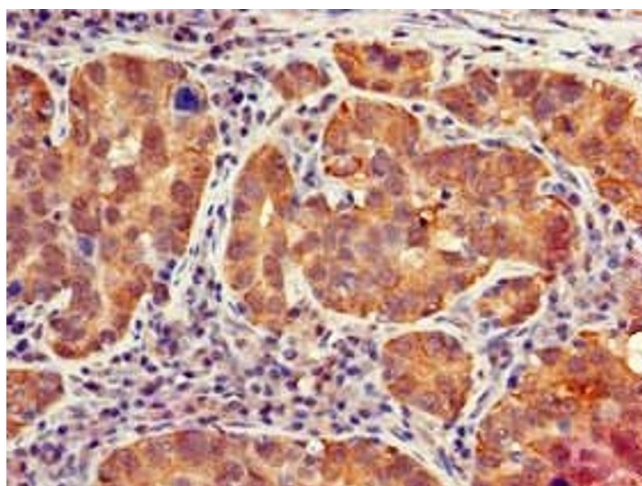
Immunofluorescence

Image 1. Immunofluorescent analysis of HepG2 cells using ABIN7156663 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Immunohistochemistry

Image 2. Immunohistochemistry of paraffin-embedded human liver cancer using ABIN7156663 at dilution of 1:100



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human pancreatic cancer using ABIN7156663 at dilution of 1:100

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7156663.