

## Rabbit anti-Human IFIT1 Polyclonal Antibody | anti-IFIT1 antibody

IFIT1 Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                    |
|-----------|--------|------------|-------------------------------------------------|
| AAA232538 | Rabbit | Human      | Immunofluorescence, Immunohistochemistry, ELISA |

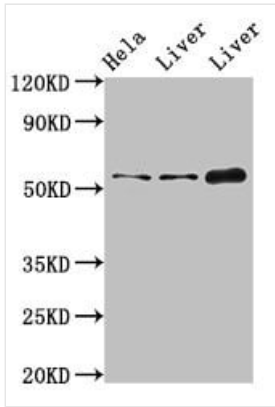
### PRODUCT SYNONYMS

IFIT1; Polyclonal Antibody; IFIT1 Antibody; Interferon-induced protein with tetratricopeptide repeats 1; IFIT-1; Interferon-induced 56 kDa protein; IFI-56K; P56; G10P1; IFI56; IFNAI1; ISG56; anti-IFIT1 antibody

### PRODUCT SPECIFICATIONS

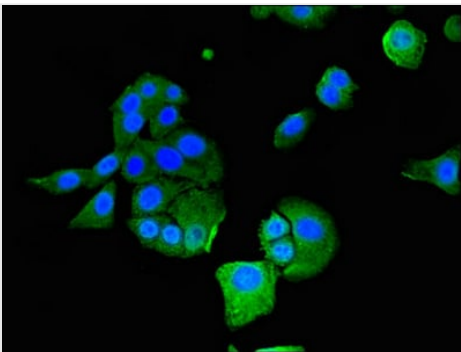
|                                                 |                                                                                                                |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                         |
| Reactivity                                      | Human                                                                                                          |
| Clonality                                       | Polyclonal                                                                                                     |
| Isotype                                         | IgG                                                                                                            |
| Purity/Purification                             | >95%, Protein G purified                                                                                       |
| Form/Format                                     | Liquid                                                                                                         |
| Sequence Length                                 | 447                                                                                                            |
| Applicable Applications for anti-IFIT1 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA                                                     |
| Immunogen                                       | Recombinant Human Interferon-induced protein with tetratricopeptide repeats 1 protein (1-181AA)                |
| Preservative                                    | 0.03% Proclin 300                                                                                              |
| Constituents                                    | 50% Glycerol, 0.01M PBS, pH 7.4                                                                                |
| Conjugation                                     | Non-conjugated                                                                                                 |
| Santa Cruz Alternative                          | Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-82946                                  |
| Preparation and Storage                         | Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze. |

IMAGES



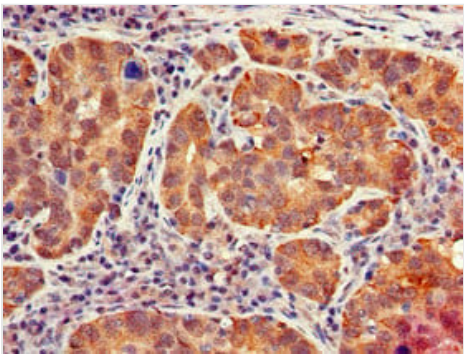
WB (Western Blot)

Western BlotPositive WB detected in: HeLa whole cell lysate,Rat liver tissue,Mouse liver tissueAll lanes: IFIT1 antibody at 4ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 56,52 KDaObserved band size: 56 KDa



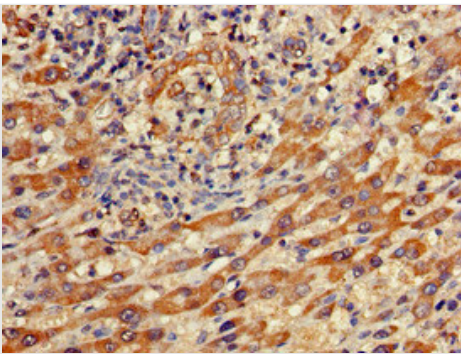
IHC (Immunohistochemisry)

Immunofluorescent analysis of HepG2 cells using AAA232538 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 pancreatic cancer using AAA232538 at dilution of 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human liver cancer using AAA232538 at dilution of 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-IFIT1 antibody

Interferon-induced antiviral RNA-binding protein that specifically binds single-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.

NCBI AND UNIPROT INFORMATION

|                                  |                                                                       |
|----------------------------------|-----------------------------------------------------------------------|
| NCBI GI #                        | 400286381                                                             |
| NCBI GeneID                      | 3434                                                                  |
| NCBI Accession #                 | NP_001257857.1                                                        |
| NCBI GenBank Nucleotide #        | NM_001270928.1                                                        |
| UniProt Accession #              | P09914; Q5T7J1; Q96QM5; B3KS50; D3DR31                                |
| Molecular Weight                 | 51,713 Da                                                             |
| NCBI Official Full Name          | interferon-induced protein with tetratricopeptide repeats 1 isoform 3 |
| NCBI Official Synonym Full Names | interferon induced protein with tetratricopeptide repeats 1           |

|                               |                                                                        |
|-------------------------------|------------------------------------------------------------------------|
| NCBI Official Symbol          | IFIT1                                                                  |
| NCBI Official Synonym Symbols | C56; P56; G10P1; IFI56; ISG56; IFI-56; IFIT-1; IFNAI1; RNM561; IFI-56K |
| NCBI Protein Information      | interferon-induced protein with tetratricopeptide repeats 1            |
| UniProt Protein Name          | Interferon-induced protein with tetratricopeptide repeats 1            |
| UniProt Gene Name             | <b>IFIT1</b>                                                           |
| UniProt Synonym Gene Names    | G10P1; IFI56; IFNAI1; ISG56; IFIT-1; IFI-56K; P56                      |
| UniProt Entry Name            | IFIT1_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ifi1-antibody-immunofluorescence-immunohistochemistry-elisa/232538>