

## Rabbit anti-Human IFITM1 Polyclonal Antibody | anti-IFITM1 antibody

IFITM1 Polyclonal Antibody

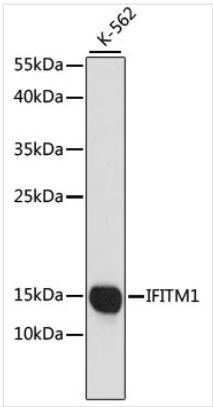
|                              |                       |                            |                                                           |
|------------------------------|-----------------------|----------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA37553</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|------------------------------|-----------------------|----------------------------|-----------------------------------------------------------|

### PRODUCT SYNONYMS

IFITM1; Polyclonal Antibody; IFITM1 Polyclonal Antibody; 9-27; CD225; IFI17; LEU13; DSPA2a; anti-IFITM1 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                             |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                      |
| Reactivity                                       | Human                                                                                                                       |
| Clonality                                        | Polyclonal                                                                                                                  |
| Isotype                                          | IgG                                                                                                                         |
| Purity/Purification                              | Affinity Purification                                                                                                       |
| Form/Format                                      | PBS with 0.01% thiomersal, 50% glycerol, pH7.3                                                                              |
| Concentration                                    | 1mg/ml (varies by lot)                                                                                                      |
| Sequence Length                                  | 125                                                                                                                         |
| Applicable Applications for anti-IFITM1 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                               |
| Species                                          | Human                                                                                                                       |
| Immunogen                                        | A synthetic peptide corresponding to a sequence within amino acids 50 to the C-terminus of human CD225/IFITM1 (NP_003632.3) |
| Cross Reactivity                                 | Human, Mouse                                                                                                                |
| Conjugation                                      | Unconjugated                                                                                                                |
| Preparation and Storage                          | Store at -20°C. Avoid freeze/thaw cycles.                                                                                   |



**WB (Western Blot)**  
Western blot analysis of extracts of K-562 cells, using CD225/IFITM1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-IFITM1 antibody | IFN-induced antiviral protein which inhibits the entry of viruses to the host cell cytoplasm, permitting endocytosis, but preventing subsequent viral fusion and release of viral contents into the cytosol. Active against multiple viruses, including influenza A virus, SARS coronaviruses (SARS-CoV and SARS-CoV-2, Marburg virus (MARV, Ebola virus (EBOV, Dengue virus (DNV, West Nile virus (WNV, human immunodeficiency virus type 1 (HIV-1 and hepatitis C virus (HCV. Can inhibit: influenza virus hemagglutinin protein-mediated viral entry, MARV and EBOV GP1, 2-mediated viral entry and SARS-CoV and SARS-CoV-2 S protein-mediated viral entry. Also implicated in cell adhesion and control of cell growth and migration. Inhibits SARS-CoV-2 S protein-mediated syncytia formation. Plays a key role in the antiproliferative action of IFN-gamma either by inhibiting the ERK activation or by arresting cell growth in G1 phase in a p53-dependent manner. Acts as a positive regulator of osteoblast differentiation. In hepatocytes, IFITM proteins act in a coordinated manner to restrict HCV infection by targeting the endocytosed HCV virion for lysosomal degradation. IFITM2 and IFITM3 display anti-HCV activity that may complement the anti-HCV activity of IFITM1 by inhibiting the late stages of HCV entry, possibly in a coordinated manner by trapping the virion in the endosomal pathway and targeting it for degradation at the lysosome. |
| Product Categories/Family for anti-IFITM1 antibody   | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                              |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 215274118                                                                                                                                                    |
| NCBI GeneID                      | 8519                                                                                                                                                         |
| UniProt Accession #              | P13164; Q15322; Q53XZ0; AAB25699                                                                                                                             |
| Molecular Weight                 | Observed MW: 17kDa<br>Calculated MW: 13kDa                                                                                                                   |
| NCBI Official Full Name          | Interferon-induced transmembrane protein 1                                                                                                                   |
| NCBI Official Synonym Full Names | interferon induced transmembrane protein 1                                                                                                                   |
| NCBI Official Symbol             | IFITM1                                                                                                                                                       |
| NCBI Official Synonym Symbols    | 9-27; CD225; IFI17; LEU13; DSPA2a                                                                                                                            |
| NCBI Protein Information         | interferon-induced transmembrane protein 1; leu-13 antigen; interferon-induced protein 17; dispanin subfamily A member 2a; interferon-inducible protein 9-27 |
| UniProt Protein Name             | Interferon-induced transmembrane protein 1                                                                                                                   |

|                            |                      |
|----------------------------|----------------------|
| UniProt Gene Name          | IFITM1               |
| UniProt Synonym Gene Names | CD225; IFI17; DSPA2a |
| UniProt Entry Name         | IFM1_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://www.aaabiotech.com/polyclonal/ifitm1-antibody-immunohistochemistry-western-blot-elisa/37553>