

Rabbit IFITM3 Polyclonal Antibody | anti-IFITM3 antibody

IFITM3 Antibody

CATALOG # AAA327444	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunocytochemistry, Immunofluorescence, Western Blot
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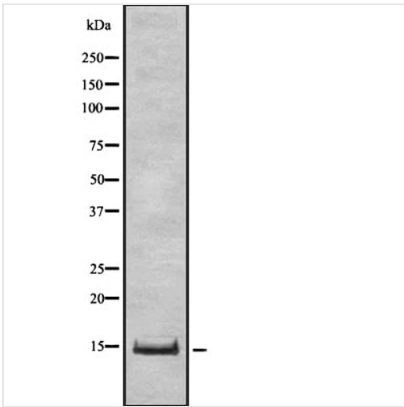
PRODUCT SYNONYMS

IFITM3; Polyclonal Antibody; IFITM3 Antibody; 1 8U; Fragilis; IFM3_HUMAN; Interferon induced transmembrane protein 3 (1 8U); Interferon Induced Transmembrane Protein 3; Interferon inducible; Interferon inducible protein 1 8U; Interferon Inducible Protein 15; Interferon Inducible Protein Homolog; Interferon-induced transmembrane protein 3; Interferon-inducible protein 1-8U; IP15; anti-IFITM3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	IFITM3 antibody detects endogenous levels of total IFITM3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	133
Applicable Applications for anti-IFITM3 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human IFITM3
Subcellular Location	Lysosome; Endosome; Plasma Membrane
Tissue Specificity	By IFN-alpha and IFNG/IFN-gamma.
Predicted Cross Reactivity	Pig, Sheep
Similarity	Pig (100%), Sheep (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis IFITM3 using COLO205 whole cell lysates



IF (Immunofluorescence)
AAA327444 staining HepG2 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-IFITM3 antibody	Function: IFN-induced antiviral protein which disrupts intracellular cholesterol homeostasis. Inhibits the entry of viruses to the host cell cytoplasm by preventing viral fusion with cholesterol depleted endosomes. May inactivate new enveloped viruses which buds out of the infected cell, by letting them go out with a cholesterol depleted membrane. Active against multiple viruses, including influenza A virus, SARS coronavirus (SARS-CoV), Marburg virus (MARV) and Ebola virus (EBOV), Dengue virus (DNV), West Nile virus (WNV), human immunodeficiency virus type 1 (HIV-1) and vesicular stomatitis virus (VSV). Can inhibit: influenza virus hemagglutinin protein-mediated viral entry, MARV and EBOV GP1, 2-mediated viral entry, SARS-CoV S protein-mediated viral entry and VSV G protein-mediated viral entry. Plays a critical role in the structural stability and function of vacuolar ATPase (v-ATPase). Establishes physical contact with the v-ATPase of endosomes which is critical for proper clathrin localization and is also required for the function of the v-ATPase to lower the pH in phagocytic endosomes thus establishing an antiviral state. Subunit Structure: Interacts with ATP6V0B and CD81 (By similarity). Interacts with SPP1; the interaction reduces OPN expression. Interacts with VAPA. Post-translational Modifications: Palmitoylation on membrane-proximal cysteines controls clustering in membrane compartments and antiviral activity against influenza virus. Not glycosylated. Polyubiquitinated with both 'Lys-48' and 'Lys-63' linkages. Ubiquitination negatively regulates antiviral activity. Lys-24 is the most prevalent ubiquitination site. Similarity: Belongs to the CD225/Dispanin family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	148612842
NCBI GeneID	10410
NCBI Accession #	NP_066362.2
NCBI GenBank Nucleotide #	NM_021034.2
UniProt Accession #	Q01628; Q53Y76; Q96HK8; Q96J15
Molecular Weight	Observed: 15 kDa Predicted: 15 kDa
NCBI Official Full Name	interferon-induced transmembrane protein 3
NCBI Official Synonym Full Names	interferon induced transmembrane protein 3
NCBI Official Symbol	IFITM3
NCBI Official Synonym Symbols	1-8U; IP15; DSPA2b
NCBI Protein Information	interferon-induced transmembrane protein 3

UniProt Protein Name	Interferon-induced transmembrane protein 3
UniProt Gene Name	IFITM3
UniProt Synonym Gene Names	DSPA2b

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/ifitm3-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/327444>