

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

IFITM1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323455	Rabbit	Human	ELISA, Immunohistochemistry, Western Blot

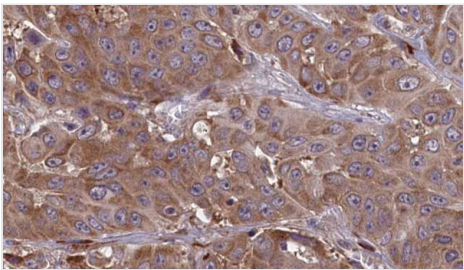
PRODUCT SYNONYMS

IFITM1; Polyclonal Antibody; IFITM1 Antibody; 9-27; CD 225; CD 225 antigen; CD225; CD225 antigen; Dispanin subfamily A member 2a; DSPA2a; IFI 17; IFI17; IFM1_HUMAN; Interferon induced protein 17; interferon induced transmembrane protein 1 (9-27); Interferon induced transmembrane protein 1; Interferon inducible protein 9-27; Interferon-induced protein 17; Interferon-induced transmembrane protein 1; Interferon-inducible protein 9-27; Leu 13; Leu 13 antigen; Leu-13 antigen; LEU13; anti-IFITM1 antibody

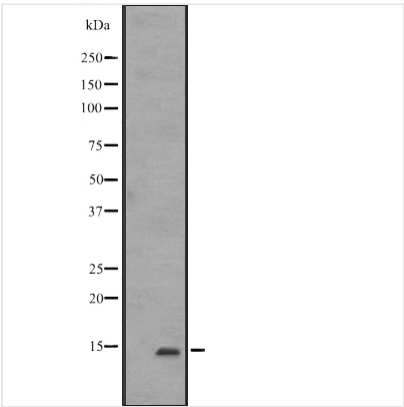
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	IFITM1 antibody detects endogenous levels of total IFITM1
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	125
Applicable Applications for anti-IFITM1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cell Membrane
Tissue Specificity	Bone (at protein level). Levels greatly elevated in colon cancer, cervical cancer, esophageal cancer and ovarian cancer. Expressed in glioma cell lines.
Conjugation	Unconjugated

IMAGES



IHC (Immunohistochemistry)
AAA323455 at 1/100 staining Human liver cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of IFITM1 expression in K562, The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-IFITM1 antibody	Function: 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 coronavirus (SARS-CoV), 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 S protein-mediated viral entry. Also implicated in cell adhesion and control of cell growth and migration. 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. Subunit Structure: Interacts with CAV1; this interaction enhances the ability of CAV1 in inhibiting ERK activation. Interacts with CD81. Post-translational Modifications: Palmitoylation on membrane-proximal cysteines controls clustering in membrane compartments and antiviral activity against influenza virus. Similarity: Belongs to the CD225/Dispanin family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	150010589
NCBI GeneID	8519
NCBI Accession #	NP_003632.3
NCBI GenBank Nucleotide #	NM_003641.3
UniProt Accession #	P13164; Q15322; Q53XZ0
Molecular Weight	Observed: 14 kDa Predicted: 14 kDa
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
UniProt Protein Name	Interferon-induced transmembrane protein 1
UniProt Gene Name	IFITM1

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/ifi17-antibody-immunohistochemistry-western-blot-elisa/323455>