IFITM2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	IFITM2, Polyclonal Antibody
Full Product Name	IFITM2 Antibody; HRP conjugated
Product Gene Name	anti-IFITM2 antibody
Product Synonym Names	Interferon-induced transmembrane protein 2; Dispanin subfamily A member 2c; DSPA2c; Interferon-inducible protein 1-8D; IFITM2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%,Protein G purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.
Matching Pairs	Unconjugated Antibody: IFITM2 (MBS7003728) HRP Conjugated Antibody: IFITM2 (MBS7001212)
Molecular Weight	14,632 Da
OMIM	605578
3D Structure	ModBase 3D Structure for Q01629
Immunogen	Recombinant human Interferon-induced transmembrane protein 2 protein
Conjugation	HRP
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-131568
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-IFITM2 antibody	ELISA (EIA)
Related Product Information for anti-IFITM2 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 coronavirus (SARS-CoV), Marburg virus (MARV), 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. Induces cell cycle arrest and mediates apoptosis by caspase activation and in p53-independent manner.
Other Notes	Small volumes of anti-IFITM2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for IFITM2 purchase	MBS7001212 is an antibody targeting IFITM2. Also known as IFITM2 Antibody; HRP conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IFITM2. It may not necessarily be applicable to this product.

NCBI GI #	151101191
NCBI GeneID	10581
NCBI Accession #	NP_006426.2
UniProt Primary Accession #	Q01629
UniProt Secondary Accession #	Q6FH82; Q96DA8
UniProt Related Accession #	Q01629
GenBank Nucleotide #	NM_006435.2
NCBI Official Full Name	interferon-induced transmembrane protein 2
NCBI Official Synonym Full Names	interferon induced transmembrane protein 2
NCBI Official Symbol	IFITM2
NCBI Official Synonym Symbols	1-8D; DSPA2c
UniProt Protein Name	Interferon-induced transmembrane protein 2
UniProt Synonym Protein Names	Dispanin subfamily A member 2c; DSPA2c; Interferon-inducible protein 1-8D
Protein Family	Interferon-induced transmembrane protein
UniProt Gene Name	IFITM2
UniProt Synonym Gene Names	DSPA2c
UniProt Entry Name	IFM2_HUMAN
NCBI Protein Information	interferon-induced transmembrane protein 2
UniProt Comments for IFITM2	IFITM2: 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 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. Induces cell cycle arrest and mediates apoptosis by caspase activation and in p53-independent manner. Belongs to the CD225/Dispanin family. Protein type: Membrane protein, integral; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 11p15.5 Cellular Component: integral to membrane; plasma membrane Biological Process: cytokine and chemokine mediated signaling pathway; defense response to virus; immune response; negative regulation of viral genome replication; negative regulation of virion penetration into host cell; response to virus
Research Articles on IFITM2	**1.** propose that the IFITM proteins act in a coordinated manner to restrict HCV infection by targeting the endocytosed HCV virion for lysosomal degradation and demonstrate that the actions of the IFITM proteins are indeed virus and cell-type specific
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