IFM2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	IFM2, Polyclonal Antibody
Full Product Name	IFM2 (N-Term) Rabbit pAb
Product Gene Name	anti-IFM2 antibody
Product Synonym Names	Interferon-induced transmembrane protein 2; Dispanin subfamily A member 2c; DSPA2c; Interferon-inducible protein 1-8D; IFITM2
Clonality	Polyclonal
Isotype	Ig
Clone Number	RB25534
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied in PBS with 0.09% (W/V) Sodium Azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Purity/Purification	Affinity Purified
OMIM	605578
3D Structure	ModBase 3D Structure for Q01629
Immunogen	This IFM2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human IFM2.
Cellular Localization	Cell Membrane, Membrane
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-IFM2 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-IFM2 antibody	WB: 1:1000 IHC: 1:50-100
Related Product Information for anti-IFM2 antibody	MBS8554341 is an antibody targeting IFM2. Also known as IFM2 (N-Term) Rabbit pAb. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-IFM2 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IFM2. 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 Related Accession #	Q01629
GenBank Nucleotide #	NP_006426.2
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
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 IFM2	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, multi-pass; Membrane protein, integral 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 IFM2	**1.** overexpression of IFITM1, 2 and 3 suppressed entry of CXCR4 and CCR5 tropic viruses; entry of transmitted founder HIV-1 in U87 cells is more sensitive to inhibition by IFITM2 and IFITM3 than by IFITM1
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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