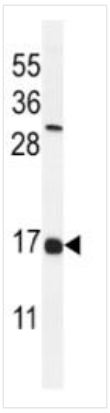
IFM2 Antibody – Rabbit Polyclonal

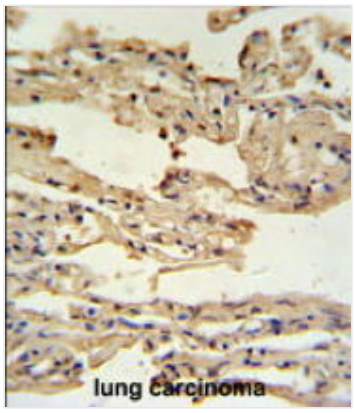
PRODUCT OVERVIEW

Product Name	IFM2, Polyclonal Antibody
Full Product Name	IFM2, NT (IFITM2, Interferon-induced transmembrane protein 2, Dispanin subfamily A member 2c, Interferon-inducible protein 1-8D) (MaxLight 650)
Product Gene Name	anti-IFM2 antibody
Product Synonym Gene Name	IFITM2
Product Synonym Names	IFITM2; Interferon-induced transmembrane protein 2; Dispanin subfamily A member 2c; Interferon-inducible protein 1-8D
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified by Protein A and Peptide Affinity Chromatography.
Specificity	Recognizes human IFM2.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	14,632 Da
OMIM	605578
3D Structure	ModBase 3D Structure for Q01629
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 1-30 in the N-terminal region of human IFM2, UniProt Accession #Q01629.
Conjugate	MaxLight650
Note	Preservative Free
Product Categories/Family for anti-IFM2 antibody	Antibodies; Transmembrane Proteins
Applications Tested/Suitable for anti-IFM2 antibody	Immunohistochemistry (IHC) Paraffin, FLISA, Western Blot (WB)
Application Notes for anti-IFM2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-IFM2 antibody	MBS6309307 is an antibody targeting IFM2. Also known as IFM2, NT (IFITM2, Interferon-induced transmembrane protein 2, Dispanin subfamily A member 2c, Interferon-inducible protein 1-8D) (MaxLight 650). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-IFM2 antibody	1. Daniel-Carmi, V., et al. Int. J. Cancer 125(12):2810-2819(2009). 2. Lehner, B., et al. Genome Res. 14(7):1315-1323(2004).

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.



Western Blot (WB) of anti-IFM2 antibody
Western Blot analysis in NCI-H460 cell line lysates (35ug/lane) usingMBS6005333. IFM2 (arrow) was detected usingMBS6005333.



Immunohistochemistry (IHC) of anti-IFM2 antibody
Immunohistochemistry analysis in formalin fixed and paraffin embedded lung carcinoma using MBS6005333 followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of MBS6005333 for immunohistochemistry.

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 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
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.** G3BP1, G3BP2 and CAPRIN1 are required for translation of interferon stimulated mRNAs and are targeted by a dengue virus non-coding RNA.
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