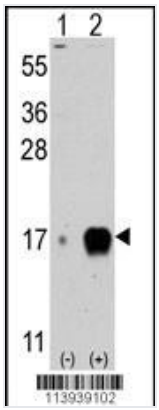
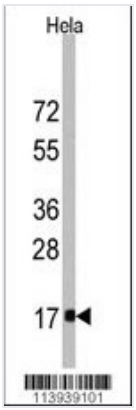
# Fragilis (IFITM3) Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | Fragilis (IFITM3), Polyclonal Antibody |
| **Full Product Name** | Fragilis, ID (Interferon-induced Transmembrane Protein 3, Interferon-inducible Protein 1-8U, IFITM3) (MaxLight 490) |
| **Product Gene Name** | anti-IFITM3 antibody |
| **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 MaxLight490. |
| **Purity/Purification** | Purified by Ammonium Sulfate Precipitation. |
| **Specificity** | Recognizes human IFITM3. |
| **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: MaxLight490 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** | gene 614680 |
| **3D Structure** | ModBase 3D Structure for Q01628 |
| **Immunogen** | Synthetic peptide selected from the center region of human IFITM3 (KLH). |
| **Conjugate** | MaxLight490 |
| **Note** | Preservative Free |
| **Product Categories/Family for anti-IFITM3 antibody** | Antibodies; Interferon |
| **Applications Tested/Suitable for anti-IFITM3 antibody** | Western Blot (WB), FLISA |
| **Application Notes for anti-IFITM3 antibody** | WB: 1:50-1:100<br>FLISA: 1:1,000<br>Applications are based on unconjugated antibody. |
| **Related Product Information for anti-IFITM3 antibody** | MBS6476847 is an antibody targeting IFITM3. Also known as Fragilis, ID (Interferon-induced Transmembrane Protein 3, Interferon-inducible Protein 1-8U, IFITM3) (MaxLight 490). Reactive in Human. Host: Rabbit. |
| **Product References and Citations for anti-IFITM3 antibody** | 1. Tanaka, S.S., Dev. Cell 9 (6), 745-756 (2005). |
| **Other Notes** | Small volumes of anti-IFITM3 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-IFITM3 antibody**
Western blot analysis of IFITM3 (arrow) using rabbit polyclonal IFITM3 Antibody (C-term).293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the IFITM3 gene (Lane 2) (Origene Technologies).




**Western Blot (WB) of anti-IFITM3 antibody**
Western blot analysis of anti-IFITM3 Antibody (Center) in Hela cell line lysates (35ug/lane). IFITM3(arrow) was detected using the purified Pab.

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IFITM3. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 148612842 |
| **NCBI GeneID** | 10410 |
| **NCBI Accession #** | NP_066362 |
| **UniProt Primary Accession #** | Q01628 |
| **UniProt Secondary Accession #** | Q53Y76; Q96HK8; Q96J15 |
| **UniProt Related Accession #** | Q01628 |
| **GenBank Nucleotide #** | NM_021034 |
| **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 |
| **UniProt Protein Name** | Interferon-induced transmembrane protein 3 |
| **UniProt Synonym Protein Names** | Dispanin subfamily A member 2b; DSPA2b; Interferon-inducible protein 1-8U |
| **Protein Family** | Interferon-induced transmembrane protein |
| **UniProt Gene Name** | IFITM3 |
| **UniProt Synonym Gene Names** | DSPA2b |
| **UniProt Entry Name** | IFM3_HUMAN |
| **NCBI Protein Information** | interferon-induced transmembrane protein 3; dispanin subfamily A member 2b; interferon-inducible protein 1-8U |

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| **UniProt Comments for IFITM3** | IFITM3: IFN-induced antiviral protein that mediates cellular innate immunity to at least three major human pathogens, namely influenza A H1N1 virus, West Nile virus (WNV), and dengue virus (WNV), by inhibiting the early step(s) of replication. Interacts with SPP1; the interaction reduces OPN expression. By IFN-alpha and IFNG/IFN-gamma. Belongs to the CD225/Dispanin family.<br><br>Protein type: Membrane protein, integral; Cell surface<br><br>Chromosomal Location of Human Ortholog: 11p15.5<br><br>Cellular Component: lysosomal membrane; late endosome membrane; integral to membrane; plasma membrane<br><br>Molecular Function: protein binding<br><br>Biological Process: negative regulation of viral transcription; negative regulation of viral genome replication; negative regulation of virion penetration into host cell; response to virus; cytokine and chemokine mediated signaling pathway; immune response; defense response to virus<br><br>Disease: Influenza, Severe, Susceptibility To |
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