

For Research Use Only

# IFITM2 Recombinant antibody

Catalog Number: 83455-5-RR



## Basic Information

<b>Catalog Number:</b> 83455-5-RR	<b>GenBank Accession Number:</b> BC009696	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 10581	<b>CloneNo.:</b> 240318B6
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q01629	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Full Name:</b> interferon induced transmembrane protein 2 (1-8D)	
<b>Immunogen Catalog Number:</b> AG3451	<b>Calculated MW:</b> 132 aa, 15 kDa	
	<b>Observed MW:</b> 15 kDa	

## Applications

<b>Tested Applications:</b> WB, FC (Intra), ELISA	<b>Positive Controls:</b> WB : HeLa cells, HepG2 cells, SGC-7901 cells, MCF-7 cells, A549 cells
<b>Species Specificity:</b> human	

## Background Information

IFITM2, also named as 1-8D, belongs to the CD225 family. It is an 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, by inhibiting the early steps of replication. IFITM2 induces cell cycle arrest and mediates apoptosis by caspase activation and in a p53-independent manner. It is overexpressed in colon carcinoma. IFITM2 is a novel pro-apoptotic gene that will provide new insights into the regulated cellular pathways to death. IFITM proteins are recently identified as viral restriction factors that inhibit infection mediated by the influenza A virus (IAV) hemagglutinin (HA) protein. Also, they serve as important components of the innate immune system to restrict HIV-1 infection.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

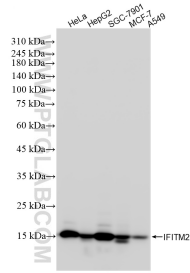
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

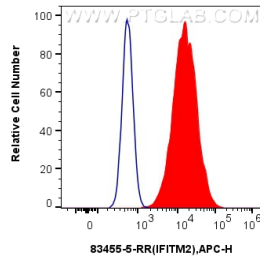
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83455-5-RR (IFITM2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



$1 \times 10^6$  MCF-7 cells were intracellularly stained with 0.25 ug IFITM2 Recombinant antibody (83455-5-RR, Clone:240318B6) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).