

IFITM2-specific Monoclonal antibody

Catalog Number: 66137-1-Ig

Featured Product

22 Publications

Basic Information

Catalog Number:

66137-1-Ig

Size:

1700 µg/ml

Source:

Mouse

Isotype:

IgG1

GenBank Accession Number:

NM_006435

GeneID (NCBI):

10581

UNIPROT ID:

Q01629

Full Name:

interferon induced transmembrane protein 2 (1-8D)

Observed MW:

15 kDa

Purification Method:

Protein G purification

CloneNo.:

3D5F7

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

FC, WB, ELISA

Cited Applications:

IF, IHC, WB

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : HepG2 cells, recombinant protein

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 (DENV), by inhibiting the early step(s) of replication. IFITM2 induces cell cycle arrest and mediates apoptosis by caspase activation and in 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. (PMID:19544527) This antibody is specific to IFITM2.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|--------------------|-----------|--------------------------|-------------|
| Wing-Yiu Jason Lee | 30266929 | Sci Rep | WB |
| Xin Wang | 33108395 | PLoS Pathog | WB |
| Guoli Shi | 30301809 | Proc Natl Acad Sci U S A | WB |

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

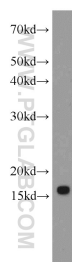
For technical support and original validation data for this product please contact:

T: 4006900926

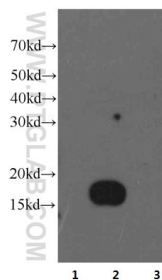
E: Proteintech-CN@ptglab.comW: ptgcn.com

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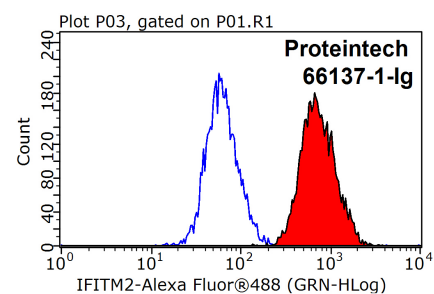
Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 66137-1-Ig (IFITM2-specific antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IFITM1 (Lane 1), IFITM2 (Lane 2) and IFITM3 (Lane 3) fusion proteins (20ng/lane) were subjected to SDS-PAGE followed by western blot with IFITM2 monoclonal antibody (66137-1-Ig) at dilution of 1:10,000.



1×10^6 HeLa cells were stained with 0.2ug IFITM2-specific antibody (66137-1-Ig, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L) with dilution 1:1000.