

Multi-rAb® IFITM3 Multi-Recombinant antibody

Catalog Number: RMX00071

Basic Information

Catalog Number:

RMX00071

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC006794

GeneID (NCBI):

10410

UNIPROT ID:

Q01628

Full Name:

interferon induced transmembrane protein 3 (1-8U)

Calculated MW:

133 aa, 15 kDa

Observed MW:

15-20 kDa

Purification Method:

N/A

Recommended Dilutions:

WB: 1:20000-1:100000

IHC: 1:500-1:2000

IF/ICC: 1:500-1:2000

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells, HepG2 cells

IHC : human ovary tumor tissue,

IF/ICC : HepG2 cells,

Background Information

IFITM3, also named as interferon-inducible protein 1-8U, belongs to the CD225 family. It is 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. IFITM3 is identified as interferon-induced cellular proteins that restrict infections by retroviruses and filoviruses and of influenza virus and flaviviruses, respectively. IFITM3, the most potent antiviral IFITM, was found to inhibit an uncharacterized early infectious event after VSV endocytosis, but before primary transcription of its viral genome. IFITM proteins are viral restriction factors that can inhibit infection mediated by the influenza A virus (IAV) hemagglutinin (HA) protein. They differentially restrict the entry of a broad range of enveloped viruses, and modulate cellular tropism independently of viral receptor expression.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol.

Aliquoting is unnecessary for -20°C storage

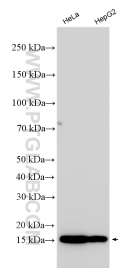
For technical support and original validation data for this product please contact:

T: 4006900926

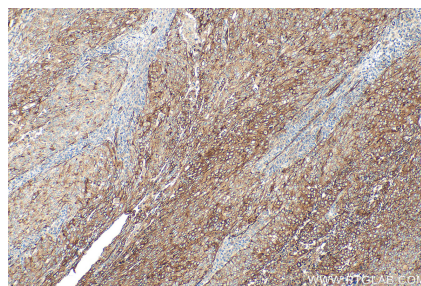
E: Proteintech-CN@ptglab.comW: ptgcn.com

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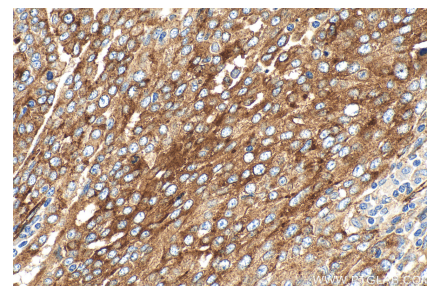
Selected Validation Data



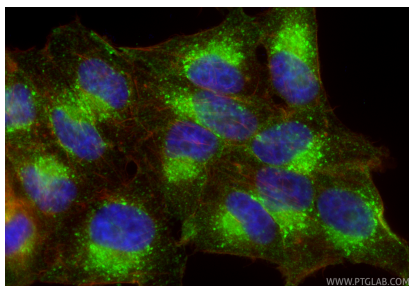
Various lysates were subjected to SDS PAGE followed by western blot with RMX00071 (IFITM3 antibody) at dilution of 1:53000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using RMX00071 (IFITM3 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using RMX00071 (IFITM3 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using IFITM3 antibody (RMX00071) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).