

À des fins de recherche uniquement

Anticorps Monoclonal anti-IFITM2/3



Numéro de catalogue: 66081-1-Ig

Phare

12 Publications

Informations de base

Numéro de catalogue: 66081-1-Ig	Numéro d'acquisition GenBank: BC070243	Méthode de purification: Purification par protéine A
Taille: 150ul, Concentration: 2100 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 10410	CloneNo.: 2E8D12
Hôte: Mouse	Nom complet: interferon induced transmembrane protein 3 (1-8U)	Dilutions recommandées: WB 1:5000-1:50000 IHC 1:500-1:2000 IF 1:50-1:500
Isotype: IgG1	MW observés: 15-20 kDa	
Immunogen Catalog Number: AG17863		

Applications

Applications testées:
FC, IF, IHC, WB, ELISA

Demandes citées:
FC, IF, IP, WB

Spécificité de l'espèce:
Humain

Espèces citées:
Humain

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) A défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules U2OS, cellules A549, cellules HeLa, cellules HL-60, cellules Jurkat, cellules K-562, cellules LNCaP, cellules MCF-7, cellules THP-1

IHC : tissu de cancer du foie humain,

IF : cellules U2OS,

Informations générales

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. This antibody recognizes both IFITM2 and IFITM3.

Publications notables

Autrice	Pubmed ID	Journal	Application
Alex A Compton	27601221	EMBO Rep	WB
Julian Buchrieser	33051876	EMBO J	IF,FC
Guoli Shi	30301809	Proc Natl Acad Sci U S A	WB,IF

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

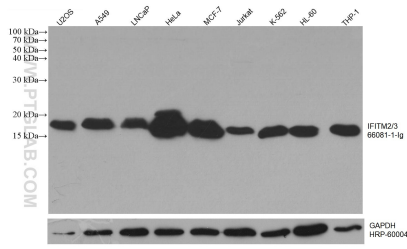
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

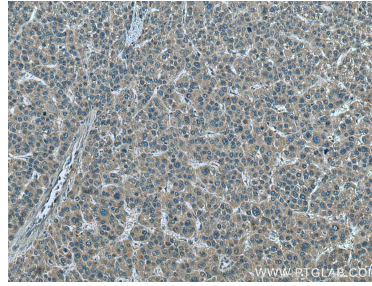
E: proteintech@ptglab.com
W: ptglab.com

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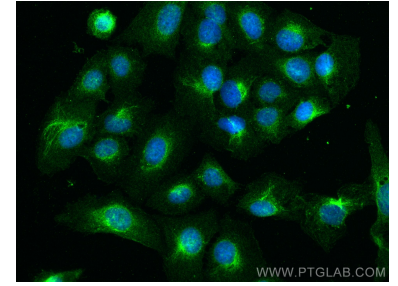
Données de validation sélectionnées



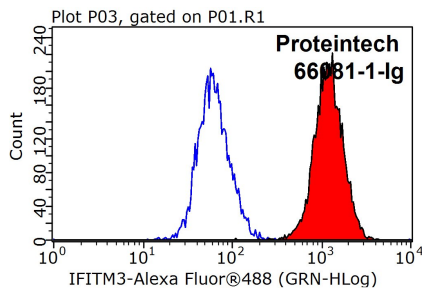
Various lysates were subjected to SDS PAGE followed by western blot with 66081-1-Ig (IFITM2/3 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66081-1-Ig (IFITM2/3 antibody) at dilution of 1:1000 (under 10x Lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using IFITM2/3 antibody (66081-1-Ig, Clone: 2E8D12) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



1X10⁶ HeLa cells were stained with 0.2ug IFITM2/3 antibody (66081-1-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.