

À des fins de recherche uniquement

Anticorps Monoclonal anti-IFITM1-Specific



Numéro de catalogue: 60074-1-Ig

Phare

62 Publications

Informations de base

Numéro de catalogue:

60074-1-Ig

Numéro d'acquisition GenBank:

BC000897

Méthode de purification:

Purification par protéine A

Taille:

150ul, Concentration: 2500 µg/ml by Nanodrop and 1500 µg/ml by Bradford method using BSA as the standard;

Identification du gène (NCBI):

8519

CloneNo.:

5B5E2

Hôte:

Mouse

Nom complet:

interferon induced transmembrane protein 1 (9-27)

Dilutions recommandées:

WB 1:20000-1:100000
IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB

Isotype:

IgG2a

MW calculé

14 kDa

IHC 1:200-1:1000

IF 1:200-1:800

Immunogen Catalog Number:

AG2320

MW observés:

14-17 kDa

Applications

Applications testées:

FC, IF, IHC, IP, WB, ELISA

Demandes citées:

FC, IF, IHC, IP, WB

Spécificité de l'espèce:

Humain

Espèces citées:

Humain, souris

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 TF-1, cellules HepG2, cellules HL-60, cellules K-562, tissu testiculaire humain

IP : cellules HepG2,

IHC : tissu de lymphome humain,

IF : cellules K-562,

Informations générales

IFITM1(interferon induced transmembrane protein), also named DSPA2a and interferon-induced protein 17 (IFI17), belongs to the CD225 family. It has two transmembrane domain and serves as an IFN-induced antiviral protein that mediates cellular innate immunity to at least three major human pathogens, influenza A H1N1 virus, West Nile virus (WNV), and dengue virus, by inhibiting the early steps of replication. 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. 60074-1-Ig is a mouse monoclonal antibody which specifically recognizing IFITM1 but not IFITM2 or IFITM3.

Publications notables

Autrice	Pubmed ID	Journal	Application
Wing-Yiu Jason Lee	30266929	Sci Rep	WB
Florian Wensch	25256397	Viruses	WB
Michael J McFadden	34537236	J Mol Biol	WB

Stockage

Stockage:

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

Tampon de stockage:

PBS avec azoture de sodium à 0,1 % 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.

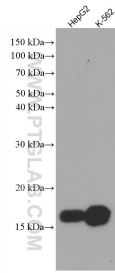
For technical support and original validation data for this product please contact:

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

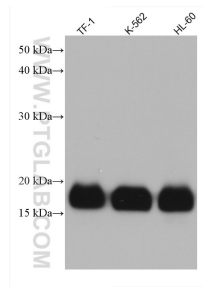
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

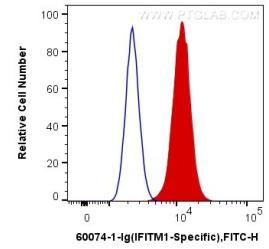
Données de validation sélectionnées



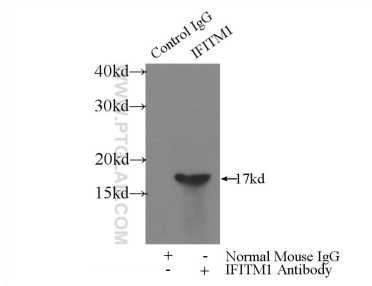
Various lysates were subjected to SDS PAGE followed by western blot with 60074-1-Ig (IFITM1-Specific antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours.



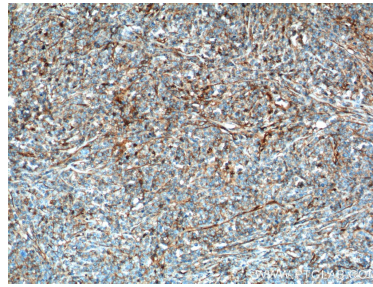
TF-1 cells were subjected to SDS PAGE followed by western blot with 60074-1-Ig (IFITM1-Specific antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours.



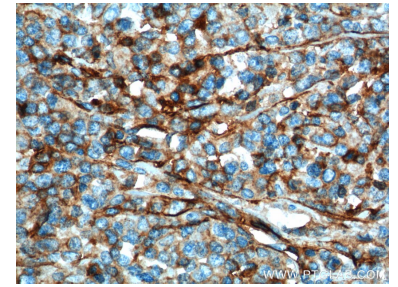
1×10^6 U2OS cells were intracellularly stained with 0.4 ug Anti-Human IFITM1-Specific (60074-1-Ig, Clone:5B5E2) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



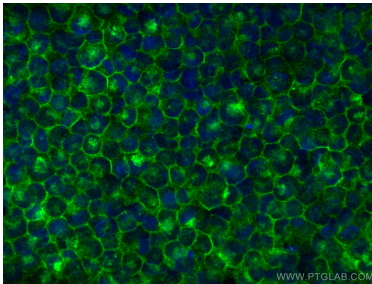
IP Result of anti-IFITM1-Specific (IP:60074-1-Ig, 4ug; Detection:60074-1-Ig 1:500) with HepG2 cells lysate 3600ug.



Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 60074-1-Ig (IFITM1-Specific Antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 60074-1-Ig (IFITM1-Specific Antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed K-562 cells using IFITM1-Specific antibody (60074-1-Ig, Clone: 5B5E2) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).