

IFITM3 Polyclonal antibody

Catalog Number: 11714-1-AP

Featured Product

124 Publications

Basic Information

Catalog Number: 11714-1-AP	GenBank Accession Number: BC006794	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop;	GeneID (NCBI): 10410	Recommended Dilutions: WB 1:5000-1:50000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IF 1:400-1:1600
Source: Rabbit	Full Name: interferon induced transmembrane protein 3 (1-8U)	
Isotype: IgG	Calculated MW: 133 aa, 15 kDa	
Immunogen Catalog Number: AG2285	Observed MW: 14 kDa	

Applications

Tested Applications: FC, IF, IP, WB, ELISA	Positive Controls:
Cited Applications: CoIP, FC, IF, IHC, IP, WB	WB : HeLa cells, HepG2 cells, LNCaP cells, THP-1 cells
Species Specificity: human	IP : HepG2 cells,
Cited Species: human, goat, chicken, rat, mouse, pig, canine, African green monkey	IF : HeLa 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. Catalog#11714-1-AP is a rabbit polyclonal antibody raised against the full-length of human IFITM3.

Notable Publications

Author	Pubmed ID	Journal	Application
Angke Zhang	32999030	J Virol	WB,IF
Meng Yu	25265877	Med Microbiol Immunol	IHC
Shunhua Long	36178477	Viral Immunol	WB,IF

Storage

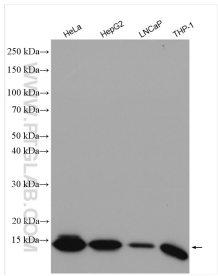
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

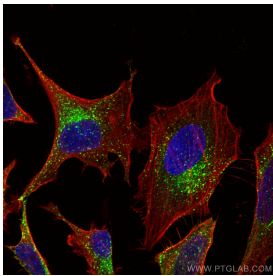
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

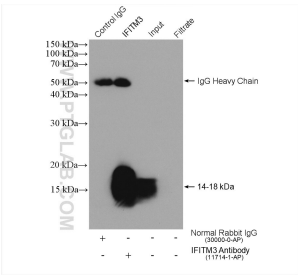
Selected Validation Data



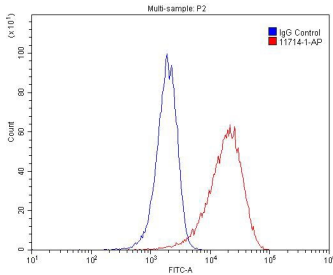
Various lysates were subjected to SDS PAGE followed by western blot with 11714-1-AP (IFITM3 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using IFITM3 antibody (11714-1-AP) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



IP result of anti-IFITM3 (IP:11714-1-AP, 4ug; Detection:11714-1-AP 1:4000) with HepG2 cells lysate 960 ug.



1X10⁶ HeLa cells were stained with 0.2ug IFITM3 antibody (11714-1-AP, red) and control antibody (blue). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500. Cells were fixed with 4% PFA and permeabilized with 0.1% Triton X-100.