Nur für Forschungszwecke

IFITM3 Polyklonaler Antikörper

Katalog-Nr.:11714-1-AP Vorgestelltes Produkt 110 Publikationen

proteintech®
Antibodies | ELISA kits | Proteins
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Allgemeine Informationen

Katalog-Nr.:
11714-1-AP

Größe:
150ul , Konzentration: 400 μg/ml von Nanodrop;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG2285

GenBank-Zugangsnummer:
BC006794

GeneID (NCBI):
10410

Vollständiger Name:
interferon induced transmembrane protein 3 (1-8U)

Berechneté Masse:
133 aa, 15 kDa

Beobachteté Masse:
14 kDa

Reinigungsmethode:
Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:
WB 1:5000-1:50000
IP 0.5-4.0 ug für IP und 1:1000-1:8000 für WB
IF 1:400-1:1600

Anwendungen

Geprüfte Anwendungen:
FC, IF, IP, WB, ELISA

In Publikationen genannte Anwendungen:
CoIP, FC, IF, IHC, IP, WB

Getestete Reaktivität:
Human, Maus, Ratte

Zitierte Arten:
Hausschwein, Huhn, Human, Hund, Maus, Ratte, Ziege, Südliche Grünmeerkatze

Positivkontrollen:

WB : HeLa-Zellen, HepG2-Zellen, LNCaP-Zellen, Maus-Kolongewebe, THP-1-Zellen

IP : HepG2-Zellen,

IF : HeLa-Zellen,

Hintergrundinformationen

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.

Bemerkenswerte Veröffentlichungen

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

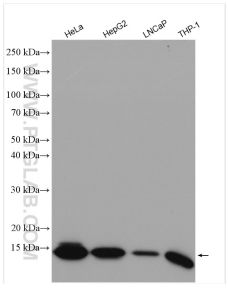
Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C lagerung

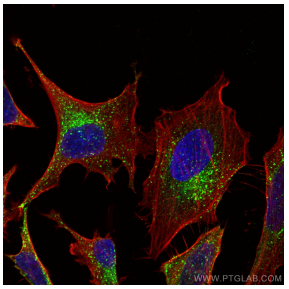
*** 20ul-Größen enthalten 0.1% BSA

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

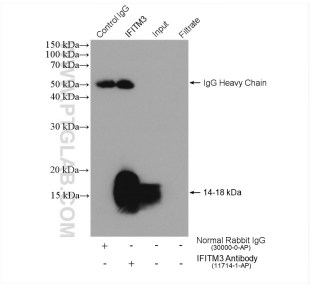
Ausgewählte Validierungsdaten



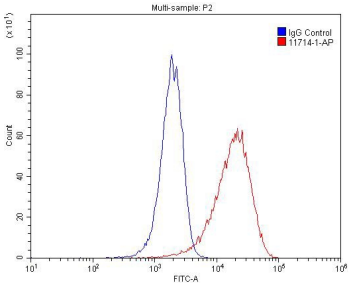
Various lysates were subjected to SDS PAGE followed by western blot with 11714-1-AP (IFITM3 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



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.



1X10^6 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.