IFITM1
Polyclonal ANTIBODY
Catalog Number: 11727-3-AP

Basic Information
Catalog Number: 11727-3-AP
Size: 33 μg/150 μl
Source: Rabbit
Isotype: IgG
Purification Method: Antigen affinity purification
Immunogen Catalog Number: AG2320

GenBank Accession Number: BCO00697
GeneID (NCBI): 8519
Full Name: Interferon induced transmembrane protein 1 (IFITM1)
Calculated MW: 14 kDa
Observed MW: 17-19 kDa

Recommended Dilutions:
WB: 1:500-1:1000
IP: 0.5-4.0 μg for IP and 1:1000-1:1000 for WB
IHC: 1:20-1:200

Applications
Tested Applications: FC, IHC, IP, WB, ELISA
Cited Applications: FC, IF, WB
Species Specificity: human, rat
Cited Species: goat, 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: K-562 cells; HepG2 cells
IP: RO51728 cells;
IHC: human lymphoma tissue; human lung cancer tissue

Background Information
IFITM1 (Interferon induced transmembrane protein), also named DSPA2a or interferon-induced protein 17 (IFI17), belongs to the CD225 family. It has two transmembrane domains 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.

Notable Publications
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<th>Author</th>
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<tr>
<td>Jingyou Yu</td>
<td>26387945</td>
<td>Cell Rep</td>
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<tr>
<td>Florian Wernersch</td>
<td>31062365</td>
<td>Hepatology</td>
<td>WB, IF</td>
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<td>Florian Wernersch</td>
<td>26034199</td>
<td>J Infect Dis</td>
<td>WB</td>
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Storage
Store at -20ºC. Stable for one year after shipment.
Storage Buffer: PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20ºC storage.

For research use only.
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
K-562 cells were subjected to SDS PAGE followed by western blot with 11727-3-AP (IFITM1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.

Immunohistochemical analysis of paraffin-embedded human lymphoma using 11727-3-AP (IFITM1 antibody) at dilution of 1:50 (under 10x lens).

Immunohistochemical analysis of paraffin-embedded human lymphoma using 11727-3-AP (IFITM1 antibody) at dilution of 1:50 (under 40x lens).

IP Result of anti-IFITM1 (IP:11727-3-AP, 4ug; Detection:11727-3-AP 1:500) with ROS1728 cells lysate 3200ug.

IP Result of anti-IFITM1 (IP:11727-3-AP, 4ug; Detection:11727-3-AP 1:500) with ROS1728 cells lysate 3200ug.

1X10^6 K-562 cells were stained with 0.2ug IFITM1 antibody (11727-3-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated Anti-Rabbit Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.