

For Research Use Only

IFIT1 Polyclonal antibody

Catalog Number: 23247-1-AP

Featured Product

30 Publications



Basic Information

Catalog Number:

23247-1-AP

Size:

150ul, Concentration: 800 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG19691

GenBank Accession Number:

BC007091

GeneID (NCBI):

3434

UNIPROT ID:

P09914

Full Name:

interferon-induced protein with tetratricopeptide repeats 1

Calculated MW:

478 aa, 55 kDa

Observed MW:

55 KDa

Purification Method:

Antigen Affinity purified

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:300-1:1200

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB: IFN beta treated HeLa cells,

IHC: mouse kidney tissue, human kidney tissue, mouse brain tissue, rat kidney tissue

IF/ICC: HeLa cells,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

IFIT1, also known as glucocorticoid-attenuated response gene 16 protein (GARG-16), is a 463 amino acid protein belonging to the IFIT family. IFIT genes comprise a large family with three (IFIT1, IFIT2, and IFIT3) and four (IFIT1, IFIT2, IFIT3, and IFIT5) members in mice and humans, respectively. IFIT1 specifically bound virus PPP-RNA forms a complex with IFIT2 and IFIT3 to sequester the viral PPP-RNA and prevent virus replication.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-----------------|-----------|---------|-------------|
| Zhangtao Jiang | 27681138 | J Virol | WB |
| Gaurav Raikhy | 31292244 | J Virol | IF |
| Matthew L Scott | 31666385 | J Virol | WB |

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

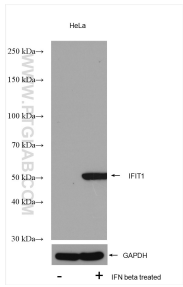
For technical support and original validation data for this product please contact:

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

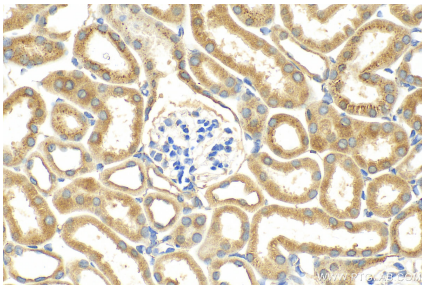
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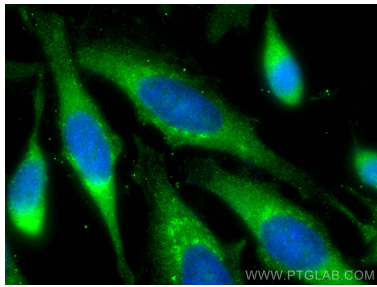
Selected Validation Data



untreated and IFN beta treated HeLa cells were subjected to SDS PAGE followed by western blot with 23247-1-AP (IFIT1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 23247-1-AP (IFIT1 antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using IFIT1 antibody (23247-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).