

For Research Use Only

# IFIT2 Polyclonal antibody

Catalog Number: 12604-1-AP

Featured Product

44 Publications



## Basic Information

**Catalog Number:**

12604-1-AP

**Size:**

150ul, Concentration: 500 ug/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG3283

**GenBank Accession Number:**

BC032839

**GeneID (NCBI):**

3433

**UNIPROT ID:**

P09913

**Full Name:**

IFIT 2

**Calculated MW:**

484 aa, 56 kDa

**Observed MW:**

50-55 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:200-1:800

## Applications

**Tested Applications:**

WB, IHC, IF/ICC, IP, ELISA

**Cited Applications:**

WB, IHC, IF

**Species Specificity:**

human, mouse

**Cited Species:**

human, mouse

**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 : A431 cells, RAW 264.7 cells, THP-1 cells

IP : A431 cells,

IHC : human skin cancer tissue, human kidney tissue

IF/ICC : HepG2 cells,

## Background Information

IFIT2 belongs to the IFIT family. It contains 6 TPR repeats. 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. IFIT proteins are produced in human body that are supposed to confer immunity against viral infection. These proteins are generally produced during viral infection, IFN treatment, and during pathogen recognition (Pathogen associated molecular pattern recognition) by immune system during infections.

## Notable Publications

Author	Pubmed ID	Journal	Application
Zhangtao Jiang	27681138	J Virol	WB
Yuan Wang	27609068	Cancer Lett	WB
GuanQun Liu	33140045	bioRxiv	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

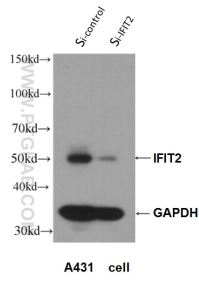
For technical support and original validation data for this product please contact:

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

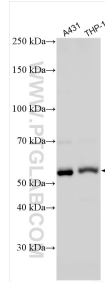
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

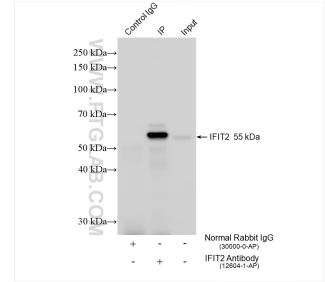
## Selected Validation Data



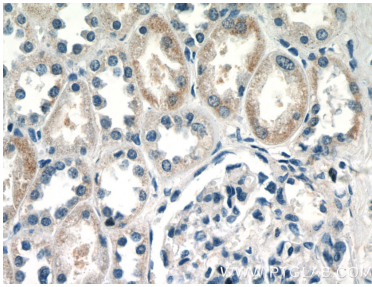
WB result of IFIT2 antibody (12604-1-AP, 1:300) with si-IFIT2 and si-Control transfected A431 cells.



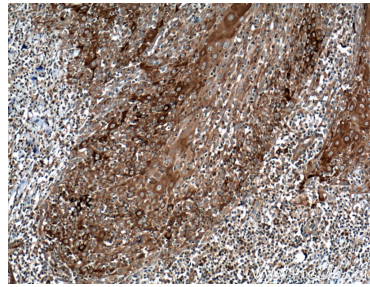
Various lysates were subjected to SDS PAGE followed by western blot with 12604-1-AP (IFIT2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



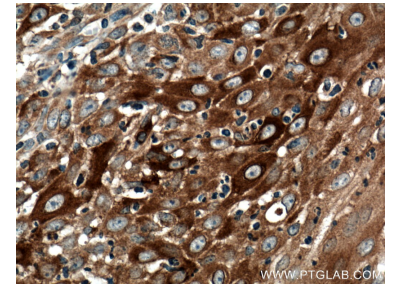
IP result of anti-IFIT2 (IP:12604-1-AP, 4ug; Detection:12604-1-AP 1:3000) with A431 cells lysate 1040 ug.



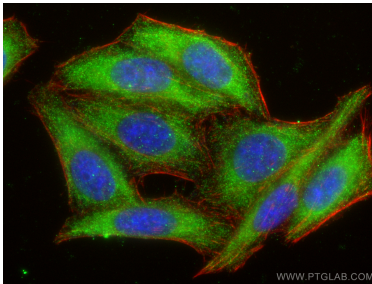
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 12604-1-AP (IFIT2 Antibody) at dilution of 1:50 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human skin cancer tissue slide using 12604-1-AP (IFIT2 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human skin cancer tissue slide using 12604-1-AP (IFIT2 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using IFIT2 antibody (12604-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).