

IFIT2

Polyclonal ANTIBODY

Catalog Number: 12604-1-AP

Featured Product

10 Publications

Basic Information

Catalog Number:
12604-1-AP

Size:
270 µg/ml

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:
AG3283

GenBank Accession Number:
BC032839

GeneID (NCBI):
3433

Full Name:
interferon-induced protein with tetratricopeptide repeats 2

Calculated MW:
484aa, 56 kDa

Observed MW:
50-55 kDa

Recommended Dilutions:

WB 1:200-1:1000

IP 0.5-4.0 µg for IP and 1:200-1:1000 for WB

IHC 1:50-1:500

IF 1:10-1:100

Applications

Tested Applications:
IF, IHC, IP, WB, ELISA

Cited Applications:
WB

Species Specificity:
human, mouse

Cited Species:
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 : A431 cells; RAW 264.7 cells

IP : mouse skin tissue;

IHC : human skin cancer tissue; human kidney tissue

IF : 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, Interferon (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
Tomoyuki Chsugi	29245969	Oncotarget	WB

Storage

Storage:

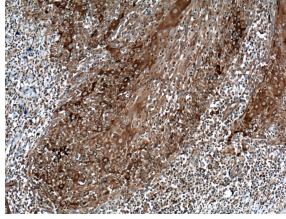
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

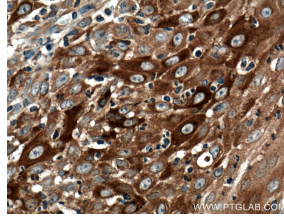
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

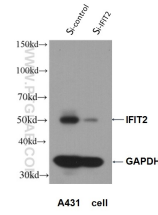
Selected Validation Data



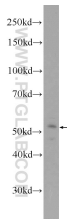
Immunohistochemical analysis of paraffin-embedded human skin cancer tissue slide using 12604-1-AP (IFIT2 antibody) at dilution of 1:200 (under 10x lens) heat mediated antigen retrieved with Tris-EDTA buffer(pH9).



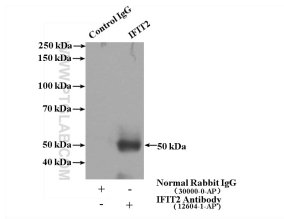
Immunohistochemical analysis of paraffin-embedded human skin cancer tissue slide using 12604-1-AP (IFIT2 antibody) at dilution of 1:200 (under 40x lens) heat mediated antigen retrieved with Tris-EDTA buffer(pH9).



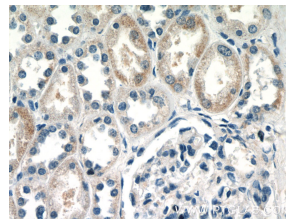
WB result of IFIT2 antibody (12604-1-AP, 1:300) with si-IFIT2 and si-Control transfected A431 cells.



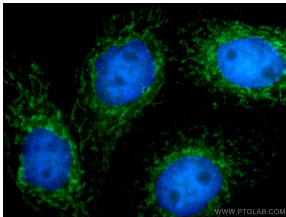
A431 cells were subjected to SDS PAGE followed by western blot with 12604-1-AP (IFIT2 Antibody) at dilution of 1:300 incubated at 4 degree celsius over night



IP Result of anti-IFIT2 (IP: 12604-1-AP, 4ug; Detection: 12604-1-AP 1:300) with mouse skin tissue lysate 3200ug.



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



Immunofluorescent analysis of HepG2 cells using 12604-1-AP (IFIT2 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)