

For Research Use Only

IFIT3 Polyclonal antibody

Catalog Number: 15201-1-AP

Featured Product

9 Publications



Basic Information

Catalog Number:

15201-1-AP

Size:

150UL, Concentration: 333 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7349

GenBank Accession Number:

BC004977

GeneID (NCBI):

3437

Full Name:

IFIT3

Calculated MW:

56 kDa

Observed MW:

60 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for IP and 1:500-1:1000 for WB

IHC 1:50-1:500

IF 1:50-1:500

Applications

Tested Applications:

IF, IHC, IP, WB, ELISA

Cited Applications:

IF, WB

Species Specificity:

human

Cited Species:

human, Monkey, mouse, swine

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: HepG2 cells,

IP: HepG2 cells,

IHC: human spleen tissue,

IF: HepG2 cells,

Background Information

IFIT3 (IFN-induced protein with tetratricopeptide repeats 3), also known as IFIT-4, ISG-60 or RIG-G, is a 56 kDa IFN induced protein. IFIT3 has been identified to be associated with strong IFN antiviral activity. Upon RNA virus infection, IFIT3 is significantly induced, ectopic expression or knockdown of IFIT3 could, respectively, enhance or impair IFN regulatory factor 3 (IRF3)-mediated gene expression. IFIT3 thus may serve as an important modulator in innate immunity, revealing a new function of the IFIT family proteins.

Notable Publications

Author	Pubmed ID	Journal	Application
Zhangtao Jiang	27681138	J Virol	WB
Liu Xin-Yi XY	21813773	J Immunol	WB
Joshua D Jackson	26883073	Mol Cancer Res	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

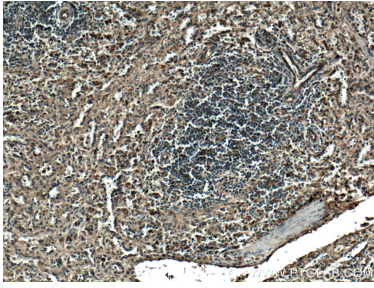
For technical support and original validation data for this product please contact:

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

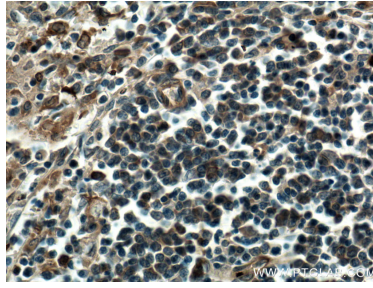
E: proteintech@ptglab.com
W: ptglab.com

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

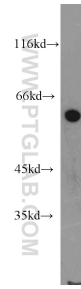
Selected Validation Data



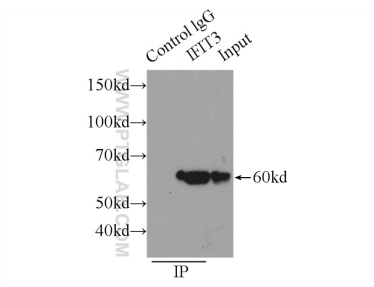
Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 15201-1-AP (IFIT3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



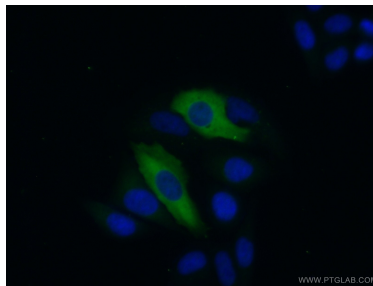
Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 15201-1-AP (IFIT3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



HepG2 cells were subjected to SDS PAGE followed by western blot with 15201-1-AP (IFIT3 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



IP Result of anti-IFIT3 (IP:15201-1-AP, 3ug; Detection:15201-1-AP 1:500) with HepG2 cells lysate 1720ug.



Immunofluorescent analysis of (10% Formaldehyde) fixed HepG2 cells using 15201-1-AP (IFIT3 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).