

For Research Use Only

# IFNGR1 Polyclonal antibody

Catalog Number: 10808-1-AP

Featured Product

17 Publications



## Basic Information

### Catalog Number:

10808-1-AP

### Concentration:

1000 ug/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG1114

### GenBank Accession Number:

BC005333

### GeneID (NCBI):

3459

### UNIPROT ID:

P15260

### Full Name:

interferon gamma receptor 1

### Calculated MW:

54 kDa

### Observed MW:

90 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

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

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IP, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human

### Cited Species:

human, mouse

### Positive Controls:

WB : HEK-293 cells, HepG2 cells

IP : HepG2 cells,

IHC : human pancreas cancer tissue,

**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

Interferon-gamma (IFN- $\gamma$ ) is a cytokine critical for innate and adaptive immunity against viral and intracellular bacterial infections and for tumor control. Cellular responses to IFN- $\gamma$  are activated through its interaction with a heterodimeric receptor consisting of two subunits, IFNGR1 (CD119) and IFNGR2. IFNGR1 is the ligand-binding subunit which binds IFN- $\gamma$  with high affinity, whereas IFNGR2 serves as the accessory subunit. Two subunits bind one IFN- $\gamma$  dimer. Defects in IFNGR1 are a cause of mendelian susceptibility to mycobacterial disease (MSMD), also known as familial disseminated atypical mycobacterial infection. (PMID: 17981204; 946248; 10888113)

## Notable Publications

Author	Pubmed ID	Journal	Application
Kefang Tan	28562647	PLoS One	WB
Shuang Qu	35663227	Mol Ther Oncolytics	IF
Elena Parmigiani	35803280	Dev Cell	WB

## Storage

### Storage:

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

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol

Aliquoting is unnecessary for -20°C storage

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

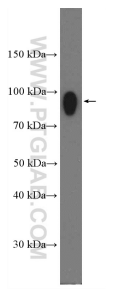
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

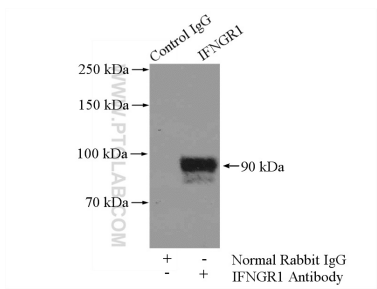
W: [ptgcn.com](http://ptgcn.com)

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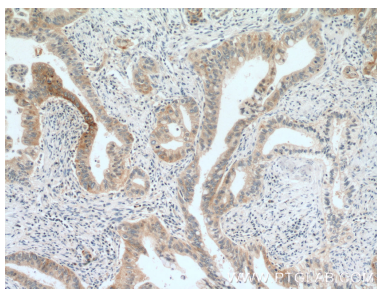
Selected Validation Data



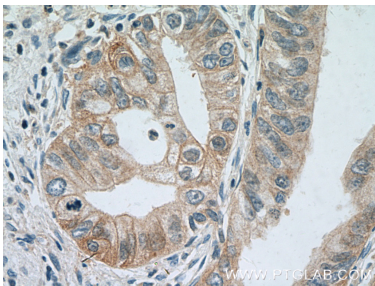
HEK-293 cells were subjected to SDS PAGE followed by western blot with 10808-1-AP (IFNGR1 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP result of anti-IFNGR1 (IP:10808-1-AP, 4ug; Detection:10808-1-AP 1:500) with HepG2 cells lysate 1800ug.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 10808-1-AP (IFNGR1 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 pancreas cancer tissue slide using 10808-1-AP (IFNGR1 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).