

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

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 : HEK-293 cells, HepG2 cells

IP : HepG2 cells,

IHC : human pancreas cancer tissue,

Background Information

Interferon-gamma (IFN- γ) is a cytokine critical for innate and adaptive immunity against viral and intracellular bacterial infections and for tumor control. Cellular responses to IFN- γ 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- γ with high affinity, whereas IFNGR2 serves as the accessory subunit. Two subunits bind one IFN- γ 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:

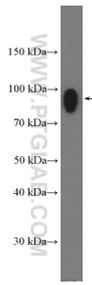
T: 4006900926

E: Proteintech-CN@ptglab.com

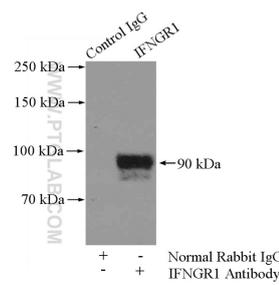
W: ptgcn.com

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

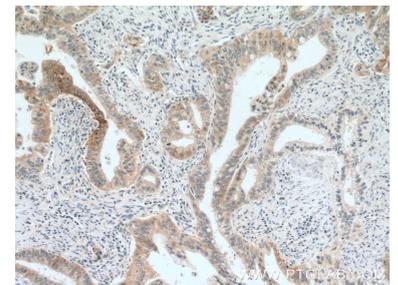
Selected Validation Data



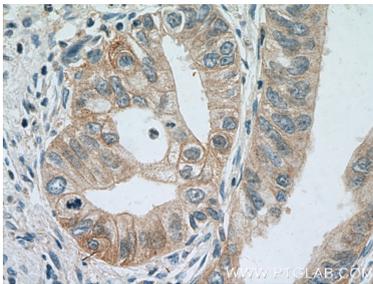
HEK-293 cells were subjected to SDS PAGE followed by western blot with 10808-1-AP (IFNGR1 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



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).