

For Research Use Only

IFN-gamma R2 Polyclonal antibody

Catalog Number: 10266-1-AP

9 Publications



Basic Information

Catalog Number:

10266-1-AP

Size:

150ul, Concentration: 260 ug/ml by Nanodrop and 150 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0317

GenBank Accession Number:

BC003624

GeneID (NCBI):

3460

UNIPROT ID:

P38484

Full Name:

interferon gamma receptor 2
(interferon gamma transducer 1)

Calculated MW:

45 kDa

Observed MW:

50-55 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:3000

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, IF

Species Specificity:

human

Cited Species:

human, mouse

Positive Controls:

WB: A549 cells, HeLa cells, HepG2 cells

IP: A549 cells,

IHC: human breast 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- 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 and IFNGR2. IFNGR1 is the ligand-binding subunit which binds IFN- γ with high affinity, whereas IFNGR2 serves as the accessory subunit which attaches to IFN- γ with a significantly lower affinity. Two subunits bind one IFN- γ dimer. Defects in IFNGR2 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
Timothy J Break	33446526	Science	WB
Qingnan Wu	34347390	Cancer Commun (Lond)	WB

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

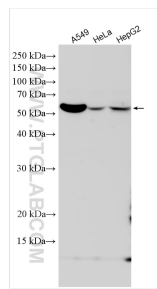
For technical support and original validation data for this product please contact:

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

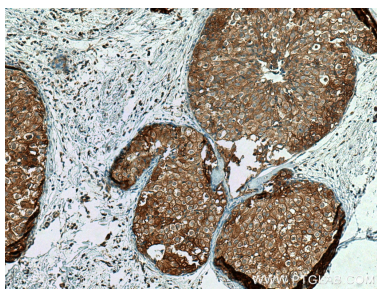
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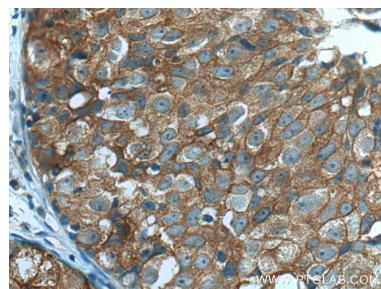
Selected Validation Data



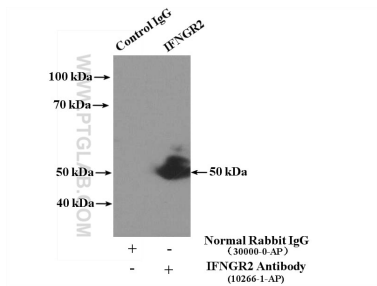
Various lysates were subjected to SDS PAGE followed by western blot with 10266-1-AP (IFNGR2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10266-1-AP (IFNGR2 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 breast cancer tissue slide using 10266-1-AP (IFNGR2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-IFNGR2 (IP:10266-1-AP, 4ug; Detection:10266-1-AP 1:500) with A549 cells lysate 1800ug.