For Research Use Only

IFN-gamma R2 Polyclonal antibody

Catalog Number:10266-1-AP 8 Publications

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Basic Information

Catalog Number:
10266-1-AP

Size:
150ul , Concentration: 400 ug/ml by Nanodrop;

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

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 : A549 cells, HeLa cells, HepG2 cells

IP : A549 cells,

IHC : human breast cancer tissue,

Background Information

Interferon-gamam (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 pH 7.3.
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)
E: proteintech@ptglab.com
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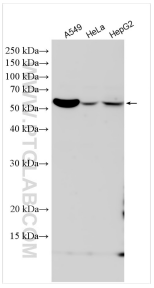
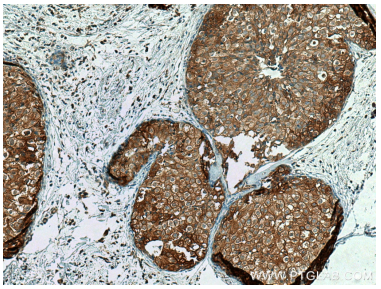
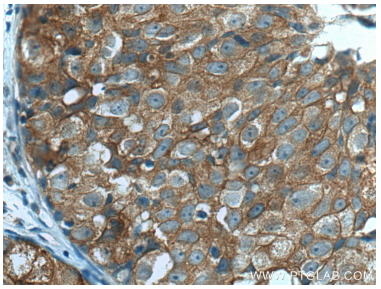
Selected Validation Data



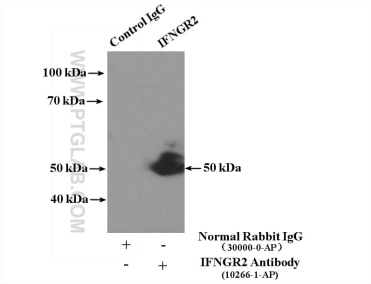
Various lysates were subjected to SDS PAGE followed by western blot with 10266-1-AP (IFNGR2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



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.