

For Research Use Only

IFN-gamma Polyclonal antibody

Catalog Number: 15365-1-AP

Featured Product

120 Publications



Basic Information

Catalog Number:

15365-1-AP

Concentration:

600 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8321

GenBank Accession Number:

BC070256

GeneID (NCBI):

3458

ENSEMBL Gene ID:

ENSG00000111537

UNIPROT ID:

P01579

Full Name:

IFN gamma

Calculated MW:

166 aa, 19 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF, ELISA

Species Specificity:

human

Cited Species:

human, rat, pig

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 : NK-92 cells, Recombinant protein

IHC : human tonsillitis tissue,

Background Information

IFN gamma (IFNG) is a soluble cytokine that is the only member of the type II class of IFN. It is secreted by Th1 cells, cytotoxic T cells and NK cells. The cytokine is associated with antiviral, immunoregulatory and anti-tumor properties and is a potent activator of macrophages. It plays crucial roles in pathogen clearance. Aberrant IFNG expression is associated with a number of autoinflammatory and autoimmune diseases. It has been identified in many studies as a biomarker for pleural tuberculosis (TB). Mutations in this gene are associated with aplastic anemia.

Notable Publications

Author	Pubmed ID	Journal	Application
Teresa W-M Fan	36150727	J Immunol	
Liu Zhen-Kun ZK	23028860	PLoS One	
Qiulu Li	30219677	Biomed Pharmacother	IHC

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

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

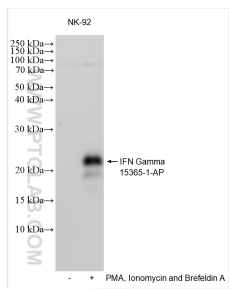
T: 4006900926

E: Proteintech-CN@ptglab.com

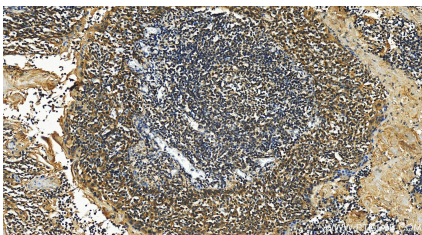
W: ptgcn.com

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Selected Validation Data



PMA, Ionomycin and Brefeldin A treated NK-92 cells were subjected to SDS PAGE followed by western blot with 15365-1-AP (IFN Gamma antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 15365-1-AP (IFN Gamma antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).