

Rabbit anti-Human Interferon gamma Polyclonal Antibody | anti-IFNG antibody

Anti-human Interferon gamma antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA11517	Rabbit	Human	Western Blot, Immunohistochemistry, ELISA, Neutralization Assay, Immunoprecipitation

PRODUCT SYNONYMS

Interferon gamma; Polyclonal Antibody; Anti-human Interferon gamma antibody; Interferon gamma(IFN-gamma); IFG antibody; IFI antibody; IFN Gamma antibody; IFN Immune antibody; IFN-gamma antibody; IFNG antibody; Immune Interferon antibody; Interferon gamma antibody; Interferon Gamma Precursor antibody; Macrophage Activating Factor antibody; MAF antibody; T Cell Interferon antibody; Type II Interferon antibody; anti-IFNG antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized; Each vial contains 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Na ₃ N.
Sequence Length	166
Applicable Applications for anti-IFNG antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA, NTRL (Neutralization Assay), IP (Immunoprecipitation)

Application Notes	Western Blot
	Concentration : 0.1-0.5 ug/mL Species: Human
	Immunohistochemistry (Paraffin-embedded Section)
	Concentration: 0.5-1 ug/mL Species: Human Antigen Retrieval: By Heat
	ELISA
	Concentration: 0.1-0.5 ug/mL Species: Human Antigen Retrieval: Human
	By Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0 for 20 mins is required for the staining of formalin/paraffin sections.
	Other applications have not been tested.
	Optimal dilutions should be determined by end users.
Immunogen	E Coli-derived human IFNG recombinant protein (Position: Q24-Q166).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20° for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)

Figure. Western blot analysis of IFN gamma using anti- IFN gamma antibody (AAA11517).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.Lane: Recombinant Human IFN gamma Protein 0.5ngAfter Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti- IFN gamma antigen affinity purified polyclonal antibody at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for IFN gamma at approximately 17KD. The expected band size for IFN gamma is at 17KD.

ADDITIONAL INFORMATION

Related Product Information for anti-IFNG antibody	Description: Rabbit IgG polyclonal antibody for Interferon gamma(IFNG) detection. Tested with WB, IHC-P, ELISA, Neu, IP in Human. Background: Interferon-gamma(IFN-gamma) is an inflammatory cytokine that has been implicated in the development of fibrosis in inflamed tissues. The production of IFN-gamma, which is under genetic control, can influence the development of fibrosis in lung allografts. IFN-gamma is also produced by natural killer(NK) cells and most prominently by CD8 cytotoxic T cells, and is vital for the control of microbial pathogens. Interferon gamma is believed to be crucial for host defence against many infections. Genetically determined variability in IFN-gamma and expression might be important for the development of tuberculosis. IFN-gamma activates human macrophage oxidative metabolism and antimicrobial activity. In addition to having antiviral activity, IFN-gamma has important immunoregulatory functions. IFN-gamma plays an important role in the control of neointima proliferation.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	124479
NCBI GeneID	3458
UniProt Accession #	P01579; Q53ZV4; B5BU88
NCBI Official Full Name	Interferon gamma
NCBI Official Synonym Full Names	interferon, gamma
NCBI Official Symbol	IFNG
NCBI Official Synonym Symbols	IFG; IFI
NCBI Protein Information	interferon gamma; IFN-gamma; immune interferon
UniProt Protein Name	Interferon gamma
UniProt Gene Name	IFNG
UniProt Synonym Gene Names	IFN-gamma
UniProt Entry Name	IFNG_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.