

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

Anti-Interferon gamma/IFNG Antibody

CATALOG # AAA124901	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

Interferon gamma/IFNG; Polyclonal Antibody; Anti-Interferon gamma/IFNG Antibody; Interferon gamma; IFN-gamma; Immune interferon; IFNG; Interferon; gamma; anti-IFNG antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized; Each vial contains 4mg Trehalose, 0.9mg NaCl and 0.2mg Na2HPO4.
Sequence Length	166
Applicable Applications for anti-IFNG antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human Interferon gamma recombinant protein (Position: Q24-G161). Human Interferon gamma shares 40.3% and 36.7% amino acid (aa) sequece identity with mouse and rat Interferon gamma, respectively.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Relevant Detection Systems	It is recommended to use an Enhanced Chemiluminescent Kit with anti-Rabbit IgG (please inquire) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (please inquire) for IHC-P.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

ADDITIONAL INFORMATION

Related Product Information for anti-IFNG antibody	Description: Rabbit IgG polyclonal antibody for Interferon gamma detection. Tested with WB, IHC-P in Human; Mouse; Rat. Background: IInterferon-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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References	1. Szabo, S. J.; Sullivan, B. M.; Stemmann, C.; Satoskar, A. R.; Sleckman, B. P.; Glimcher, L. H. Distinct effects of T-bet in T (H)1 lineage commitment and IFN-gamma production in CD4 and CD8 T cells. <i>Science</i> 295: 338-342, 2002. 2. Rossouw, M.; Nel, H. J.; Cooke, G. S.; van Helden, P. D.; Hoal, E. G. Association between tuberculosis and a polymorphic NF-kappa-B binding site in the interferon gamma gene. <i>Lancet</i> 361: 1871-1872, 2003. 3. Nathan, C. F.; Murray, H. W.; Wiebe, M. E.; Rubin, B. Y. Identification of interferon-gamma as the lymphokine that activates human macrophage oxidative metabolism and antimicrobial activity. <i>J. Exp. Med.</i> 158: 670-689, 1983. 4. Zohlhofer, D.; Richter, T.; Neumann, F.-J.; Nuhrenberg, T.; Wessely, R.; Brandl, R.; Murr, A.; Klein, C. A.; Baeuerle, P. A. Transcriptome analysis reveals a role of interferon-gamma in human neointima formation. <i>Molec. Cell</i> 7: 1059-1069, 2001.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	56786138
NCBI GeneID	3458
NCBI Accession #	NP_000610.2
NCBI GenBank Nucleotide #	NM_000619.3
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
UniProt Protein Name	Interferon gamma
UniProt Gene Name	IFNG
UniProt Synonym Gene Names	IFN-gamma

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.