

Rabbit anti-Human IFNGR1 Polyclonal Antibody | anti-IFNGR1 antibody

Anti-IFNGR1 Antibody

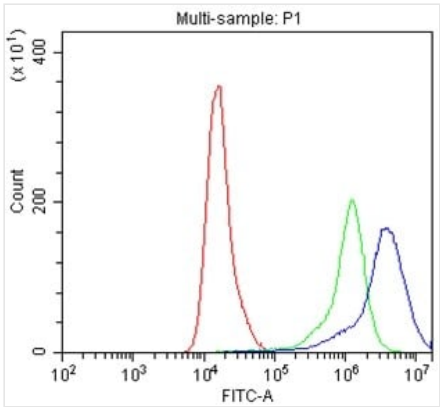
CATALOG # AAA46733	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

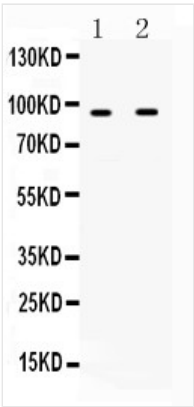
IFNGR1; Polyclonal Antibody; Anti-IFNGR1 Antibody; CD 119; CD119; CDw119; IFN gamma R1; IFN-gamma-R1; IFNG R1; IFNGR 1; IFNGR; IMD27A; IMD27B; P15260; Interferon gamma receptor 1; anti-IFNGR1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	489
Applicable Applications for anti-IFNGR1 antibody	WB (Western Blot)
Notes	Tested Species: In-house tested species with positive results. Other applications have not been tested.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human IFNGR1 (443-484aa QELITVIKAPTSFGYDKPHVLVDLLVDDSGKESLIGYRPTED), different from the related mouse sequence by seventeen amino acids.
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.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of A549 cells using anti-IFNGR1 antibody (AAA46733). Overlay histogram showing A549 cells stained with AAA46733 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-IFNGR1 Antibody (AAA46733, 1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight 488 conjugated goat anti-rabbit IgG (5-10ug/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)
Figure 1. Western blot analysis of IFNGR1 using anti-IFNGR1 antibody (AAA46733). 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 1: HEPG2 whole cell lysates, lane 2: SKOV3 whole cell lysates. After 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-IFNGR1 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 IFNGR1 at approximately 95KD. The expected band size for IFNGR1 is at 54KD.

ADDITIONAL INFORMATION

Related Product Information for anti-IFNGR1 antibody	Rabbit IgG polyclonal antibody for Interferon gamma receptor 1(IFNGR1) detection. Background: Interferon gamma receptor 1 (IFNGR1), also known as CD119 (Cluster of Differentiation 119), is a protein that in humans is encoded by the IFNGR1 gene. This gene (IFNGR1) encodes the ligand-binding chain (alpha) of the gamma interferon receptor. Human interferon-gamma receptor is a heterodimer of IFNGR1 and IFNGR2. A genetic variation in IFNGR1 is associated with susceptibility to Helicobacter pylori infection. In addition, defects in IFNGR1 are a cause of mendelian susceptibility to mycobacterial disease, also known as familial disseminated atypical mycobacterial infection.
References	1. "Entrez Gene: IFNGR1 interferon gamma receptor 1". 2. Aguet M, Dembi? Z, Merlin G (Oct 1988). "Molecular cloning and expression of the human interferon-gamma receptor". Cell. 55 (2): 273-80. 3. Novick D, Orchansky P, Revel M, Rubinstein M (Jun 1987). "The human interferon-gamma receptor. Purification, characterization, and preparation of antibodies". The Journal of Biological Chemistry. 262(18): 8483-7.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557880
NCBI GeneID	3459
NCBI Accession #	NP_000407.1
NCBI GenBank Nucleotide #	NM_000416.2
UniProt Accession #	P15260; Q53Y96; B4DFT7; E1P587
Molecular Weight	21,542 Da
NCBI Official Full Name	interferon gamma receptor 1
NCBI Official Synonym Full Names	interferon gamma receptor 1
NCBI Official Symbol	IFNGR1

NCBI Official Synonym Symbols	CD119; IFNGR; IMD27A; IMD27B
NCBI Protein Information	interferon gamma receptor 1
UniProt Protein Name	Interferon gamma receptor 1
UniProt Gene Name	IFNGR1
UniProt Synonym Gene Names	IFN-gamma-R-alpha

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ifngr1-antibody-western-blot-elisa/46733>