产品名称：IFNGR1 (17F15) Rabbit Monoclonal Antibody
产品货号：AMRe12397

产品概述（Summary）

产品名称（Production Name）	IFNGR1 (17F15) Rabbit Monoclonal Antibody
描述（Description）	Recombinant rabbit monoclonal antibody
宿主（Host）	Rabbit
应用（Application）	WB,IHC,ICC/IF,FC
种属反应性（Reactivity）	Human

产品性能（Performance）

偶联物（Conjugation）	Unconjugated
修饰（Modification）	Unmodified
同种型（Isotype）	IgG
克隆（Clonality）	Monoclonal
形式（Form）	Liquid
存放说明（Storage）	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液（Buffer）	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% protective protein.
纯化方式（Purification）	Affinity purification

免疫原信息（Immunogen）

基因名（Gene Name）	IFNGR1
别名（Alternative Names）	CD119; CDw119; IFN gamma R alpha; IFNGR1;
基因 ID（Gene ID）	3459.0
蛋白 ID（SwissProt ID）	P15260.A synthetic peptide of human IFNGR1

产品应用（Application）

稀释比（Dilution Ratio）	WB 1:1000-1:5000,IHC 1:100-1:200,ICC/IF 1:100-1:200,FC 1:200-1:1000
蛋白分子量（Molecular Weight）	54kDa

研究背景（Background）

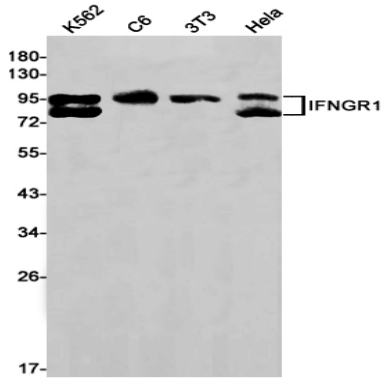
Receptor for interferon gamma. Two receptors bind one interferon gamma dimer. Receptor subunit for interferon

gamma/INFG that plays crucial roles in antimicrobial, antiviral, and antitumor responses by activating effector immune cells and enhancing antigen presentation (PubMed:20015550). Associates with transmembrane accessory factor IFNGR2 to form a functional receptor (PubMed:7615558, PubMed:2971451, PubMed:7617032, PubMed:10986460, PubMed:7673114). Upon ligand binding, the intracellular domain of IFNGR1 opens out to allow association of downstream signaling components JAK1 and JAK2. In turn, activated JAK1 phosphorylates IFNGR1 to form a docking site for STAT1. Subsequent phosphorylation of STAT1 leads to dimerization, translocation to the nucleus, and stimulation of target gene transcription (PubMed:28883123). STAT3 can also be activated in a similar manner although activation seems weaker. IFNGR1 intracellular domain phosphorylation also provides a docking site for SOCS1 that regulates the JAK-STAT pathway by competing with STAT1 binding to IFNGR1 (By similarity).

研究领域（Research Area）

Cytokine-cytokine receptor interaction;Jak_STAT;Natural killer cell mediated cytotoxicity;

图片（Image Data）



Western blot detection of IFNGR1 in K562,C6,3T3,Hela cell lysates using IFNGR1 antibody(1:1000 diluted).

注意事项（Note）

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