

Rabbit IFNAR1 Polyclonal Antibody | anti-IFNAR1 antibody

IFNAR1 Antibody

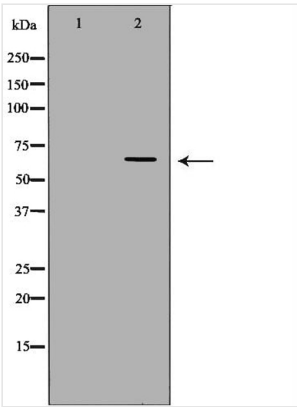
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326337	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

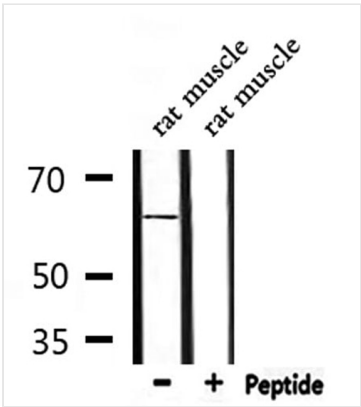
IFNAR1; Polyclonal Antibody; IFNAR1 Antibody; Alpha type antiviral protein; Antiviral protein; alpha-type; beta-type; AVP; Beta type antiviral protein; CRF2-1; Cytokine receptor class-II member 1; Cytokine receptor family 2 member 1; IFN alpha REC; IFN alpha receptor; IFN alpha/beta Receptor alpha; IFN beta receptor; IFN Interferon-beta receptor; IFN-alpha/beta receptor 1; IFN-R-1; IFNAR; Ifnar1; IFNBR; IFRC; INAR1_HUMAN; Interferon (alpha beta and omega) receptor 1; interferon alpha and beta receptor subunit 1; Interferon alpha/beta receptor 1; Interferon alpha/beta receptor alpha chain; Interferon beta receptor 1; interferon receptor 1; Interferon-alpha receptor; Type I interferon receptor 1; anti-IFNAR1 antibody

PRODUCT SPECIFICATIONS

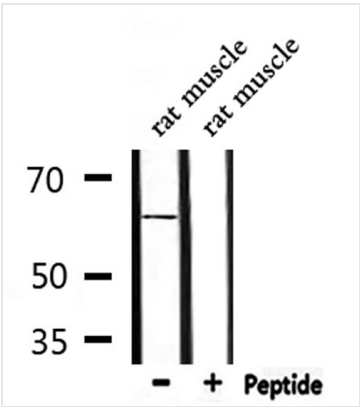
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	IFNAR1 antibody detects endogenous levels of total IFNAR1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	557
Applicable Applications for anti-IFNAR1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human IFNAR1
Subcellular Location	Membrane.
Tissue Specificity	IFN receptors are present in all tissues and even on the surface of most IFN-resistant cells. Isoform 1, isoform 2 and isoform 3 are expressed in the IFN-alpha sensitive myeloma cell line U266B1. Isoform 2 and isoform 3 are expressed in the IFN-alpha resistant myeloma cell line U266R. Isoform 1 is not expressed in IFN-alpha resistant myeloma cell line U266R.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



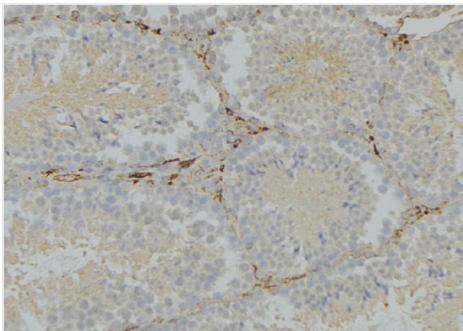
WB (Western Blot)
Western blot analysis of K562 whole cell lysates, using IFNAR1 Antibody. The lane on the left is treated with the antigen-specific peptide.



WB (Western Blot)
Western blot analysis of extracts from mouse heart, using IFNAR1 Antibody.



WB (Western Blot)
Western blot analysis of extracts from rat muscle, using IFNAR1 Antibody.



IHC (Immunohistochemistry)
AAA326337 at 1/100 staining Mouse testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-IFNAR1 antibody	Description: The protein encoded by this gene is a type I membrane protein that forms one of the two chains of a receptor for interferons alpha and beta. Binding and activation of the receptor stimulates Janus protein kinases, which in turn phosphorylate several proteins, including STAT1 and STAT2. The encoded protein also functions as an antiviral factor. Function: Component of the receptor for type I interferons, including interferons alpha, IFNB1 and IFNW1 (PubMed:2153461, PubMed:7665574, PubMed:10049744, PubMed:14532120, PubMed:15337770, PubMed:21854986). Functions in general as heterodimer with IFNAR2 (PubMed:7665574, PubMed:10049744, PubMed:21854986). Type I interferon binding activates the JAK-STAT signaling cascade, and triggers tyrosine phosphorylation of a number of proteins including JAKs, TYK2, STAT proteins and the IFNR alpha-and beta-subunits themselves (PubMed:7665574, PubMed:21854986). Can form an active IFNB1 receptor by itself and activate a signaling cascade that does not involve activation of the JAK-STAT pathway (By similarity). Subunit Structure: Heterodimer with IFNAR2 (PubMed:7665574, PubMed:10049744, PubMed:21854986). Interacts with STAT1 and STAT2; the interaction requires its phosphorylation at Tyr-466 (PubMed:9121453). Interacts with TYK2 (PubMed:7526154, PubMed:15337770, PubMed:24704786). Interacts (serine-phosphorylated form) with FBXW11, the substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex (PubMed:14532120, PubMed:15337770, PubMed:18056411). Interacts with SHMT2; this promotes interaction with ABRAXAS2 and the BRISC complex (PubMed:24075985). Post-translational Modifications: Ubiquitinated, leading to its internalization and degradation (PubMed:14532120, PubMed:15337770). Polyubiquitinated via 'Lys-48'-linked and 'Lys-63'-linked ubiquitin chains, leading to receptor internalization and lysosomal degradation (PubMed:18056411). The 'Lys-63'-linked ubiquitin chains are cleaved off by the BRISC complex (PubMed:24075985). Phosphorylated on serine residues in response to interferon binding; this promotes interaction with FBXW11 and ubiquitination (PubMed:14532120, PubMed:15337770, PubMed:24075985). Phosphorylated on tyrosine residues by TYK2 tyrosine kinase (PubMed:7526154). Phosphorylated on tyrosine residues in response to interferon (PubMed:10049744). Palmitoylation at Cys-463 is required for the activation of STAT1 and STAT2. Similarity: Belongs to the type II cytokine receptor family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	46488932
NCBI GeneID	3454
NCBI Accession #	NP_000620.2
NCBI GenBank Nucleotide #	NM_000629.2
UniProt Accession #	P17181; Q53GW9; Q53H11; Q6PKD7; Q7M4L2; Q8WTZ2; B2R6L9; B4DNT3; D3DSF0
Molecular Weight	Observed: 63 kDa Predicted: 64 kDa
NCBI Official Full Name	interferon alpha/beta receptor 1
NCBI Official Synonym Full Names	interferon alpha and beta receptor subunit 1
NCBI Official Symbol	IFNAR1
NCBI Official Synonym Symbols	AVP; IFRC; IFNAR; IFNBR; IFN-alpha-REC
NCBI Protein Information	interferon alpha/beta receptor 1
UniProt Protein Name	Interferon alpha/beta receptor 1
UniProt Gene Name	IFNAR1
UniProt Synonym Gene Names	IFNAR; IFN-R-1; IFN-alpha/beta receptor 1; CRF2-1

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.