



Anti-IFNAR1 (aa 28-290) polyclonal antibody (DPABH-13591)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Interferon Receptor alpha (IFN-α R1) is a class II cytokine receptor which belongs to type I human interferons (IFNs) family. IFNs plays a role in antiviral, antiproliferative, immunomodulatory, antitumor, and antiparasitic activities by inducing transcription of IFN-stimulated genes (ISGs) through activation of the Jak-STAT pathway. Specifically, Interferon Receptor alpha is a 135-kda signal transducing subunit of the IFN alpha/beta receptor complex (IFN-α R). Interferon Receptor alpha is phospholyated through PTK- and PKC-mediated phosphorylation, which initiates docking of STAT proteins to IFNs. This leads to activation of STAT proteins by PTK-mediated phosphorylation. The mechanism behind the amplification of Interferon Receptor alpha complex mediated transmembrane signaling has been linked to tyrosine phosphorylation on Interferon Receptor alpha. IFNAR1 possesses a large N-glycosylated ectodomain.
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Immunogen	Recombinant fragment corresponding to Human Interferon Receptor alpha aa 28-290. Sequence: KNL KSPQKVEVDI IDDNFILRWN RSDSVGNVT FSFDYQKTGM DNWIKLSGCQ NITSTKCNFS SLKLNVEEI KLRIRAEKEN TSSWYEVDSE TPFRKAQIGP PEVHLEADK AIVIHISPGT KDSVMWALDG LSFTYSLVIW KNSSGVE
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	IHC-P, WB
Format	Liquid

Size	100 µg
Buffer	pH: 7.30; Constituents: 50% Glycerol, 49% PBS
Preservative	0.02% Sodium Azide
Storage	Shipped at 4°C. Store at 4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.

GENE INFORMATION

Gene Name	IFNAR1 interferon (alpha, beta and omega) receptor 2 [Homo sapiens]
Official Symbol	IFNAR1
Synonyms	IFNAR1; interferon (alpha, beta and omega) receptor 1; AVP; IFRC; IFNAR; IFNBR; IFN-alpha-REC; interferon alpha/beta receptor 1; CRF2-1; IFN-R-1; IFN-alpha/beta receptor 1; interferon-beta receptor 1; beta-type antiviral protein; alpha-type antiviral protein; type I interferon receptor 1; cytokine receptor class-II member 1; cytokine receptor family 2 member 1; interferon-alpha/beta receptor alpha chain;
Entrez Gene ID	3454
Protein Refseq	NP_000620.2
UniProt ID	P17181
Pathway	Cytokine Signaling in Immune system; Cytokine-cytokine receptor interaction; Hepatitis B; Hepatitis C
Function	protein binding; type I interferon receptor activity;