

**Product Name: IFN- $\alpha$ / $\beta$ R $\alpha$  Rabbit Polyclonal Antibody**  
**Catalog #: APRab12399**



---

## Summary

<b>Production Name</b>	IFN- $\alpha$ / $\beta$ R $\alpha$ Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	IHC,IF,ELISA
<b>Reactivity</b>	Human,Rat,Mouse

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	IFNAR1 IFNAR1; IFNAR; Interferon alpha/beta receptor 1; IFN-R-1; IFN-alpha/beta receptor 1;
<b>Alternative Names</b>	Cytokine receptor class-II member 1; Cytokine receptor family 2 member 1; CRF2-1; Type I interferon receptor 1
<b>Gene ID</b>	3454.0
<b>SwissProt ID</b>	P17181.The antiserum was produced against synthesized peptide derived from human Interferon-alpha/beta Receptor alpha chain. AA range:436-485

## Application

<b>Dilution Ratio</b>	IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.
<b>Molecular Weight</b>	

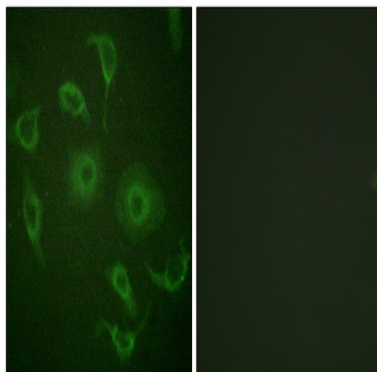
## Background

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. [provided by RefSeq, Jul 2008],function:Receptor for interferons alpha and beta. Binding to type I IFNs triggers tyrosine phosphorylation of a number of proteins including JAKs, TYK2, STAT proteins and IFNR alpha- and beta-subunits themselves.,PTM:Phosphorylated on tyrosine residues by TYK2 tyrosine kinase.,sequence caution:Contaminating sequence. Potential poly-A sequence.,similarity:Belongs to the type II cytokine receptor family.,similarity:Contains 3 fibronectin type-III domains.,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 U266S. Isoform 2 and isoform 3 are expressed in the IFN-alpha resistant myeloma cell line U266R, isoform 1 is not expressed in U266R.,

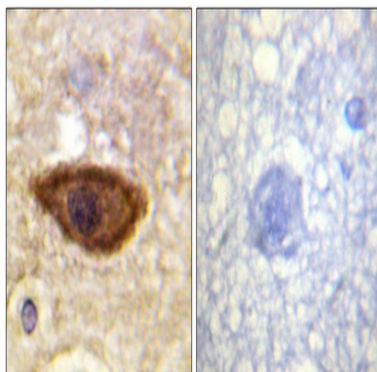
## Research Area

Cytokine-cytokine receptor interaction;Toll\_Like;Jak\_STAT;Natural killer cell mediated cytotoxicity;

## Image Data



Immunofluorescence analysis of HepG2 cells, using Interferon-alpha/beta Receptor alpha chain Antibody. The picture on the right is blocked with the synthesized peptide.



**Product Name: IFN- $\alpha$ / $\beta$ R $\alpha$  Rabbit Polyclonal Antibody**  
**Catalog #: APRab12399**



---

Immunohistochemistry analysis of paraffin-embedded human brain tissue, using Interferon-alpha/beta Receptor alpha chain Antibody. The picture on the right is blocked with the synthesized peptide.

**Note**

For research use only.