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**Product Name: IFN- $\alpha$ R2 Rabbit Polyclonal Antibody****Catalog #: APRab12401**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,ELISA
<b>Reactivity</b>	Human,Rat,Mouse
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
<b>Molecular Weight</b>	57kDa

**Antigen Information**

<b>Gene Name</b>	IFNAR2
<b>Alternative Names</b>	IFNAR2; IFNABR; IFNARB; Interferon alpha/beta receptor 2; IFN-R-2; IFN-alpha binding protein; IFN-alpha/beta receptor 2; Interferon alpha binding protein; Type I interferon receptor 2
<b>Gene ID</b>	3455.0
<b>SwissProt ID</b>	P48551
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from the N-terminal region of human IFNAR2. AA range:41-90

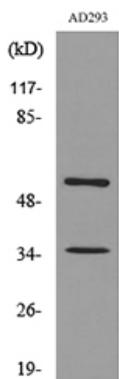
## Background

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. Multiple transcript variants encoding at least two different isoforms have been found for this gene. [provided by RefSeq, Jul 2008],disease:Defects in IFNAR2 are associated with susceptibility to hepatitis B virus infection (HBV infection) [MIM:610424]. Approximately one third of all cases of cirrhosis and half of all cases of hepatocellular carcinoma can be attributed to chronic HBV infection. HBV infection may result in subclinical or asymptomatic infection, acute self-limited hepatitis, or fulminant hepatitis requiring liver transplantation.,function:Receptor for interferons alpha and beta. Isoform 1 and isoform 3 are directly involved in signal transduction due to their interaction with the TYR kinase, JAK1. Isoform 1 also interacts with the transcriptional factors, STAT1 and STAT2. Both forms are potent inhibitors of type I IFN activity.,PTM:Upon binding, it is phosphorylated on tyrosine residues.,similarity:Belongs to the type II cytokine receptor family,

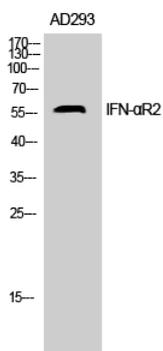
## Research Area

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

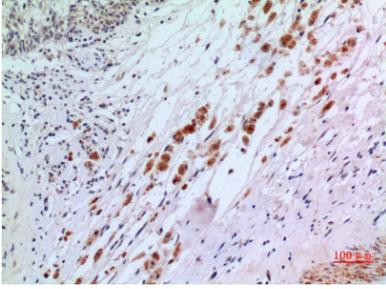
## Image Data



Western blot analysis of lysate from AD293 cells, using IFNAR2 Antibody.



Western Blot analysis of AD293 cells using IFN- $\alpha$ R2 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-brain, antibody was diluted at 1:100