

## IFN- $\alpha$ / $\beta$ R $\alpha$ Polyclonal Antibody

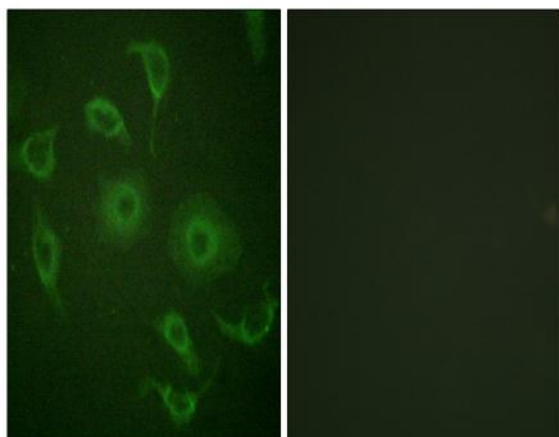
<b>Catalog No :</b>	YT2278
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	IHC;IF;ELISA
<b>Target :</b>	IFN- $\alpha$ / $\beta$ R $\alpha$
<b>Fields :</b>	>>Cytokine-cytokine receptor interaction;>>PI3K-Akt signaling pathway;>>Necroptosis;>>Osteoclast differentiation;>>Toll-like receptor signaling pathway;>>NOD-like receptor signaling pathway;>>JAK-STAT signaling pathway;>>Natural killer cell mediated cytotoxicity;>>Hepatitis C;>>Hepatitis B;>>Measles;>>Influenza A;>>Human papillomavirus infection;>>Kaposi sarcoma-associated herpesvirus infection;>>Herpes simplex virus 1 infection;>>Epstein-Barr virus infection;>>Coronavirus disease - COVID-19;>>Pathways in cancer
<b>Gene Name :</b>	IFNAR1
<b>Protein Name :</b>	Interferon alpha/beta receptor 1
<b>Human Gene Id :</b>	3454
<b>Human Swiss Prot No :</b>	P17181
<b>Mouse Swiss Prot No :</b>	P33896
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human Interferon-alpha/beta Receptor alpha chain. AA range:436-485
<b>Specificity :</b>	IFN- $\alpha$ / $\beta$ R $\alpha$ Polyclonal Antibody detects endogenous levels of IFN- $\alpha$ / $\beta$ R $\alpha$ protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.

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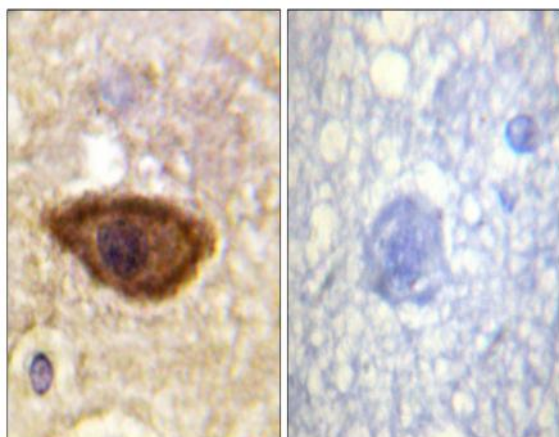
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	64kD
<b>Cell Pathway :</b>	Cytokine-cytokine receptor interaction;Toll_Like;Jak_STAT;Natural killer cell mediated cytotoxicity;
<b>Background :</b>	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],
<b>Function :</b>	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.,
<b>Subcellular Location :</b>	[Isoform 1]: Cell membrane ; Single-pass type I membrane protein . Late endosome . Lysosome . Interferon binding triggers internalization of the receptor from the cell membrane into endosomes and then into lysosomes. .
<b>Expression :</b>	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.

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## Products Images



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



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.