

For Research Use Only

# IFNAR1 Recombinant antibody

Catalog Number:83002-4-RR



## Basic Information

<b>Catalog Number:</b> 83002-4-RR	<b>GenBank Accession Number:</b> BC021825	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3454	<b>CloneNo.:</b> 230549C8
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P17181	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Full Name:</b> interferon (alpha, beta and omega) receptor 1	
	<b>Calculated MW:</b> 557 aa, 64 kDa	
	<b>Observed MW:</b> 80-140 kDa	

## Applications

<b>Tested Applications:</b> WB, FC, ELISA	<b>Positive Controls:</b> WB : K-562 cells, HeLa cells, HepG2 cells, HEK-293 cells, A431 cells, Jurkat cells
<b>Species Specificity:</b> human	

## Background Information

Interferon alpha and beta receptor subunit 1 (IFNAR1) is a type I membrane protein that associates with IFNAR2 to form the receptor for type I interferons, including interferons-alpha, -beta, and -lambda. Binding and activation of the receptor stimulates Janus protein kinases, which in turn phosphorylate several proteins, including STAT1 and STAT2, and then increase transcription of the IFN-induced genes whose products exert antiviral, immunomodulatory, and antiproliferative effects.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

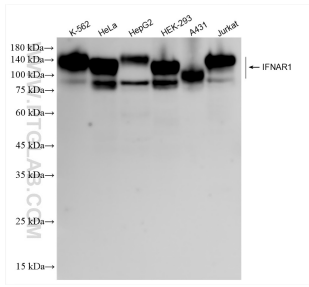
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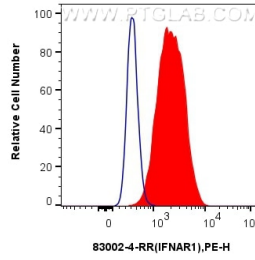
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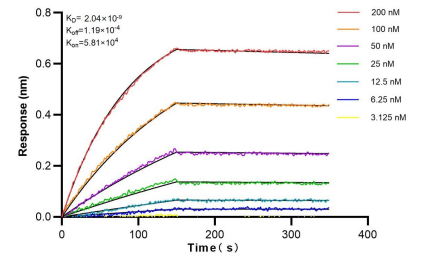
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83002-4-RR (IFNAR1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1x10<sup>6</sup> Jurkat cells were surface stained with 0.25 ug IFNAR1 Recombinant antibody (83002-4-RR, Clone:230549C8) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were not fixed.



Bioluminescence resonance energy transfer (BRET) kinetic assays of 83002-4-RR against Human IFNAR1 were performed. The affinity constant is 2.04 nM.