For Research Use Only

IFNAR1 Recombinant antibody

Catalog Number:83002-4-RR

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Basic Information

Catalog Number:
83002-4-RR

Size:
1000 μg/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC021825

GeneID (NCBI):
3454

UNIPROT ID:
P17181

Full Name:
interferon (alpha, beta and omega) receptor 1

Calculated MW:
557 aa, 64 kDa

Observed MW:
80-140 kDa

Purification Method:
Protein A purfication

CloneNo.:
230549C8

Recommended Dilutions:
WB 1:5000-1:50000

Applications

Tested Applications:
WB, FC, ELISA

Species Specificity:
human

Positive Controls:

WB : K-562 cells, HeLa cells, HepG2 cells, HEK-293 cells, A431 cells, Jurkat cells

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.

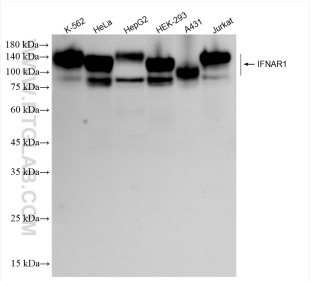
Storage

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

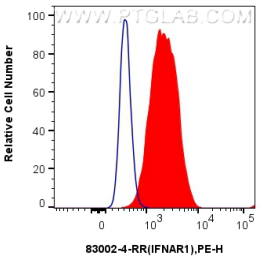
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

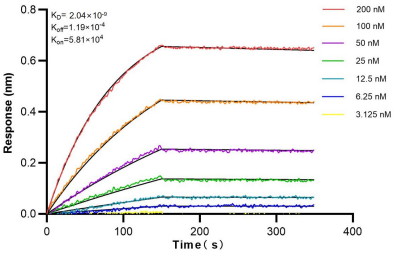
Selected Validation Data



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.



1x10^6 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.



Biolayer interferometry (BLI) kinetic assays of 83002-4-RR against Human IFNAR1 were performed. The affinity constant is 2.04 nM.