

For Research Use Only

# IGF1R Recombinant antibody

Catalog Number: 84385-3-RR



## Basic Information

Catalog Number:

84385-3-RR

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC113612

GeneID (NCBI):

3480

UNIPROT ID:

P08069

Full Name:

IGF I receptor

Calculated MW:

1367 aa, 155 kDa

Observed MW:

130 kDa

Purification Method:

Protein A purification

CloneNo.:

241678B8

Recommended Dilutions:

WB 1:2000-1:10000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : MCF-7 cells, A549 cells, L02 cells

## Background Information

IGF1R, also named as CD221, is a receptor tyrosine kinase which mediates actions of INS-like growth factor 1 (IGF1). IGF1R binds IGF1 with high affinity and IGF2 and INS with a lower affinity, the activated IGF1R is involved in cell growth and survival control. It is crucial for tumor transformation and survival of malignant cells. IGF1R is a heterotetrameric receptor, composed of two alpha subunits (130 kDa each) and two beta subunits (~98 kDa each) (PMID: 6279656). Both the alpha and beta subunits are synthesized from a single mRNA precursor. The precursor is then glycosylated, proteolytically cleaved, and crosslinked by cysteine bonds.

## 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:

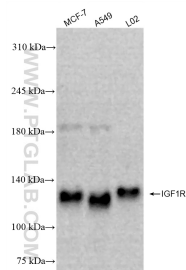
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

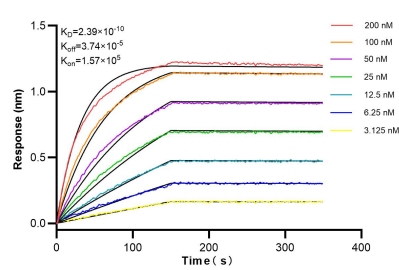
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84385-3-RR (IGF1R antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 84385-3-RR against Human IGF1R were performed. The affinity constant is 0.239 nM.