

For Research Use Only

IGF1R Recombinant antibody, PBS Only

Catalog Number: 84385-3-PBS



Basic Information

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|--|--|---|
| Catalog Number: 84385-3-PBS | GenBank Accession Number: BC113612 | Purification Method: Protein A purification |
| Size: 100ug, Concentration: 1 mg/ml by Nanodrop; | GeneID (NCBI): 3480 | CloneNo.: 241678B8 |
| Source: Rabbit | UNIPROT ID: P08069 | |
| Isotype: IgG | Full Name: IGF I receptor | |
| | Calculated MW: 1367 aa, 155 kDa | |
| | Observed MW: 130 kDa | |

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

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 -80°C.

Storage Buffer:
PBS Only

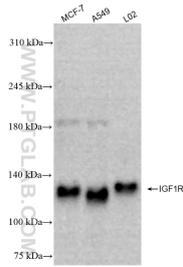
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

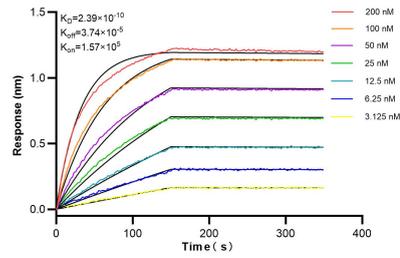
E: proteintech@ptglab.com
W: ptglab.com

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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. This data was developed using the same antibody clone with 84385-3-PBS in a different storage buffer formulation.



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