

For Research Use Only

IGF1R Polyclonal antibody

Catalog Number: 21707-1-AP



Basic Information

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|---------------------------------------------------------------|----------------------------------------------|--------------------------------------------------------------|
| Catalog Number: 21707-1-AP | GenBank Accession Number: BC113612 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 550 µg/ml by Nanodrop; | GeneID (NCBI): 3480 | Recommended Dilutions: WB 1:1000-1:8000 |
| Source: Rabbit | UNIPROT ID: P08069 | |
| Isotype: IgG | Full Name: IGF I receptor | |
| Immunogen Catalog Number: AG16325 | Calculated MW: 1367 aa, 155 kDa | |
| | Observed MW: 100 kDa | |

Applications

| | |
|--------------------------------------------------|--------------------------------------------------------------------------------------------|
| Tested Applications: WB, ELISA | Positive Controls: WB : mouse skeletal muscle tissue, rat skeletal muscle tissue |
| Species Specificity: human, mouse, rat | |

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

*** 20ul sizes contain 0.1% BSA

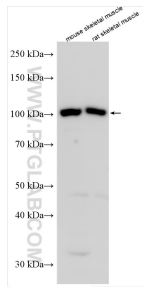
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 21707-1-AP (IGF1R antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.