

For Research Use Only

IGF1R Polyclonal antibody, PBS Only

Catalog Number: 21707-1-PBS



Basic Information

Catalog Number:

21707-1-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16325

GenBank Accession Number:

BC113612

GeneID (NCBI):

3480

UNIPROT ID:

P08069

Full Name:

IGF I receptor

Calculated MW:

1367 aa, 155 kDa

Observed MW:

100 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, Indirect ELISA

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 translated as ~220 kDa pro-receptors (PMID: 33969359). IGF1R is a heterotetrameric receptor, composed of two alpha subunits (~130 kDa) and two beta subunits (~100-120 kDa) (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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

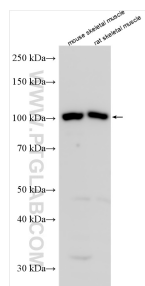
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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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. This data was developed using the same antibody clone with 21707-1-PBS in a different storage buffer formulation.