

For Research Use Only

IGF1R Polyclonal antibody

Catalog Number: 21707-1-AP



Basic Information

Catalog Number: 21707-1-AP	GenBank Accession Number: BC113612	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 550 ug/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 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 -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

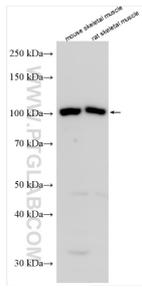
For technical support and original validation data for this product please contact:

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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.