For Research Use Only

Phospho-INSR (Tyr1150/1151)/IGF1R (Tyr1135/1136) Polyclonal antibody

Catalog Number:31133-1-AP 1 Publications

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Basic Information

Catalog Number:
31133-1-AP

Size:
100ul , Concentration: 550 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC117172

GeneID (NCBI):
3643

UNIPROT ID:
P06213

Full Name:
INSR

Observed MW:
95 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:1000-1:4000

Applications

Tested Applications:
WB, ELISA

Cited Applications:
WB

Species Specificity:
Human

Cited Species:
mouse

Positive Controls:

WB : IGF-1 treated HEK-293T cells,

Background Information

Insulin plays a crucial role in brain functions such as memory improvement and energy metabolism. The INSR shares a high structural homology with the IGF1R (84% similarity in the tyrosine kinase domain, 45-65% in the ligand-binding domain, and more than 50% in the overall amino acid sequence). In addition, ligand-dependent activation of the INSR and IGF1R activates almost identical downstream signaling cascades. This antibody recognizes the phosphorylation of tyrosine 1150 and 1151 of INSR, as well as the phosphorylation of tyrosine 1135 and 1136 of IGF1R. ((PMID:24434591))

Notable Publications

Author	Pubmed ID	Journal	Application
Ke Gong	39122737	Nat Commun	WB

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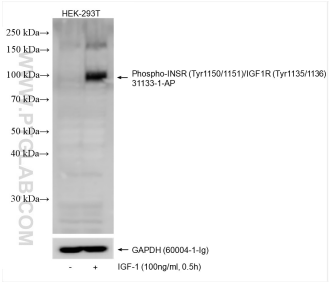
Selected Validation Data



Non-treated and IGF-1 treated HEK-293T cells were subjected to SDS PAGE followed by western blot with 31133-1-AP (Phospho-INSR (Tyr1150/1151)/IGF1R (Tyr1135/1136) antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH antibody as loading control.