

For Research Use Only



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

Catalog Number: **31133-1-AP**

## Basic Information

<b>Catalog Number:</b> 31133-1-AP	<b>GenBank Accession Number:</b> BC117172	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 550 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3643	<b>Recommended Dilutions:</b> WB 1:1000-1:4000
<b>Source:</b> Rabbit	<b>Full Name:</b> INSR	
<b>Isotype:</b> IgG	<b>Observed MW:</b> 95 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : IGF-1 treated HEK-293T cells,
<b>Species Specificity:</b> Human	

## 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))

## Storage

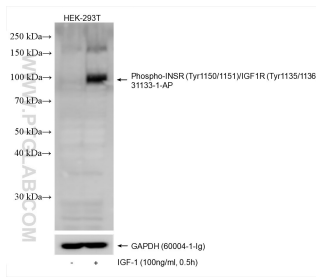
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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



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.