

For Research Use Only

# INSR Polyclonal antibody

Catalog Number: 20433-1-AP

26 Publications



## Basic Information

Catalog Number:

20433-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13922

GenBank Accession Number:

BC117172

GeneID (NCBI):

3643

UNIPROT ID:

P06213

Full Name:

INSR

Calculated MW:

1382 aa, 156 kDa

Observed MW:

190 kDa, 135 kDa, 95 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

## Applications

Tested Applications:

WB, IP, ELISA

Cited Applications:

WB, IHC, CoIP, Dot blot

Species Specificity:

human

Cited Species:

human, rat, mouse, fish, zebrafish, pig

Positive Controls:

WB : HEK-293 cells, MCF-7 cells, HT-1080 cells, HeLa cells

IP : HeLa cells,

## Background Information

The biological effects of INS are mediated by a membrane-spanning cell surface receptor that has been shown to consist of disulfide-linked alpha-subunits (135 kDa) and beta-subunits (95 kDa) that are cleaved products of a common precursor. The binding of INS to the receptor extracellular domain results in intracellular activation of a tyrosine-specific kinase activity and the generation of signals that determine the cellular response (PMID: 2369896). This antibody raised against 980-1382aa of human INS receptor can recognize full-length INS receptor precursor and INS receptor beta subunit.

## Notable Publications

Author	Pubmed ID	Journal	Application
Takashi Hara	36130217	Biosci Biotechnol Biochem	WB
Yu Bai	34603025	Front Pharmacol	WB, CoIP
Si-Lan Han	33245450	Fish Physiol Biochem	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

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

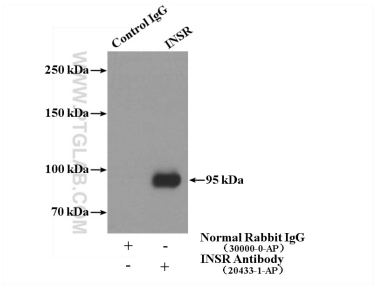
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

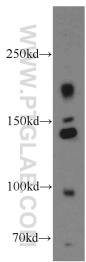
W: [ptgcn.com](http://ptgcn.com)

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Selected Validation Data



IP result of anti-INSR (IP:20433-1-AP, 4ug; Detection:20433-1-AP 1:500) with HeLa cells lysate 1600ug.



HEK-293 cells were subjected to SDS PAGE followed by western blot with 20433-1-AP (INSR antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.