

For Research Use Only

IRS2 Polyclonal antibody, PBS Only

Catalog Number:20702-1-PBS



Basic Information

Catalog Number:

20702-1-PBS

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_003749

GeneID (NCBI):

8660

UNIPROT ID:

Q9Y4H2

Full Name:

IRS2

Calculated MW:

137 kDa

Observed MW:

150-185 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

The family of INS receptor substrates (IRS) consists of four proteins (IRS-1-IRS-4), which were initially characterized as typical cytosolic adaptor proteins involved in INS receptor (IR) and INS-like growth factor I receptor (IGF-IR) signaling. Impaired glucose tolerance and INS resistance, and thus type 2 diabetes were demonstrated in *Irs2* knockout mice. In vivo data also indicated that the regulation of beta-cell mass involves IRS2, while IRS1 is only required for proper INS production in beta-cells. IRS2, like IRS1, has a predicted molecular weight of 137 kDa, however, as a result of its extensive serine phosphorylation it separates on a SDS-PAGE as a band of approximately 150-185 kDa.

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:

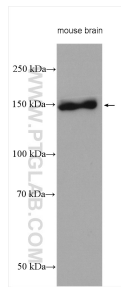
T: 4006900926

E: Proteintech-CN@ptglab.com

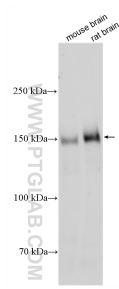
W: ptgcn.com

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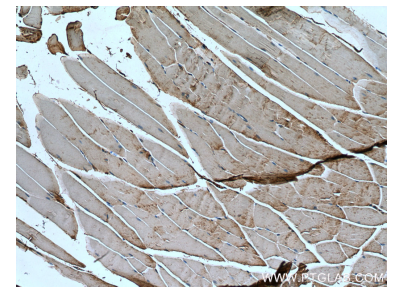
Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 20702-1-AP (IRS2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 20702-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 20702-1-AP (IRS2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 20702-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 20702-1-AP (IRS2 antibody) at dilution of 1:200 (under 10x lens). This data was developed using the same antibody clone with 20702-1-PBS in a different storage buffer formulation.