

For Research Use Only

# PID1 Polyclonal antibody

Catalog Number:33859-1-AP



## Basic Information

Catalog Number:

33859-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG40871

GenBank Accession Number:

BC040164

GeneID (NCBI):

55022

UNIPROT ID:

Q7Z2X4

Full Name:

phosphotyrosine interaction domain containing 1

Calculated MW:

168 aa, 19 kDa

Observed MW:

25 kDa, 28 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB: 1:500-1:1000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, rat

Positive Controls:

WB : rat liver tissue,

## Background Information

PID1 is a cytoplasmic PTB-domain adaptor that negatively regulates insulin and IGF1 signaling, modulating AKT activity, glucose uptake, and mitochondrial function. Enriched in muscle, adipose tissue, and liver, PID1 promotes insulin resistance, impacts lipid handling, and contributes to metabolic disease. Its dysregulation also influences tumor metabolism and stress responses, underscoring PID1 as an important node linking growth factor signaling, energy homeostasis, and pathophysiology.

## 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

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

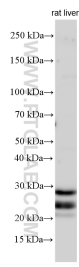
T: 4006900926

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

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

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33859-1-AP (PID1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.