

For Research Use Only

PID1 Polyclonal antibody

Catalog Number: 33859-1-AP



Basic Information

Catalog Number: 33859-1-AP	GenBank Accession Number: BC040164	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 350 ug/ml by Nanodrop;	GeneID (NCBI): 55022	Recommended Dilutions: WB: 1:500-1:1000
Source: Rabbit	UNIPROT ID: Q7Z2X4	
Isotype: IgG	Full Name: phosphotyrosine interaction domain containing 1	
Immunogen Catalog Number: AG40871	Calculated MW: 168 aa, 19 kDa	
	Observed MW: 25 kDa, 28 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : rat liver tissue,
Species Specificity: human, rat	

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

*** 20ul sizes contain 0.1% BSA

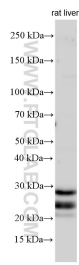
For technical support and original validation data for this product please contact:

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Selected Validation Data



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.