

For Research Use Only

PYROXD1 Polyclonal antibody

Catalog Number: 31093-1-AP

Featured Product



Basic Information

Catalog Number:

31093-1-AP

Size:

150ul, Concentration: 650 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG34768

GenBank Accession Number:

BC021662

GeneID (NCBI):

79912

UNIPROT ID:

Q8WU10

Full Name:

pyridine nucleotide-disulphide oxidoreductase domain 1

Observed MW:

55 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB: COLO 320 cells, HeLa cells, U-87 MG cells

Background Information

pyridine nucleotide-disulfide oxidoreductase domain 1 (PYROXD1) is a putative oxidoreductase that co-evolved with the tRNA-LC and is essential for its activity in cells and in vivo. PYROXD1 oxidizes NAD(P)H to NAD(P)⁺ with tightly controlled kinetics, reducing one molecule of O₂ into H₂O₂ per turnover. PYROXD1 is expressed across a range of tissue types in humans, including skeletal muscle, and is conserved across many species.

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

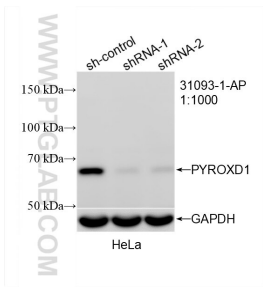
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

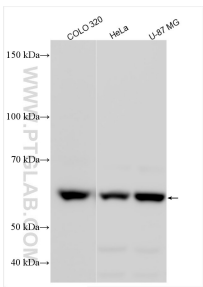
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



WB result of PYROXD1 antibody (31093-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PYROXD1 transfected HeLa cells.



Various lysates were subjected to SDS PAGE followed by western blot with 31093-1-AP (PYROXD1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.