

For Research Use Only

PYROXD1 Recombinant antibody

Catalog Number: 84289-7-RR

Featured Product



Basic Information

Catalog Number:

84289-7-RR

Concentration:

1000 µg/ml

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:

55-60 kDa

Purification Method:

Protein A purification

CloneNo.:

241639D7

Recommended Dilutions:

WB: 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HeLa cells, U-87 MG cells, Caco-2 cells, COLO 320
cells, PC-3 cells, THP-1 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

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

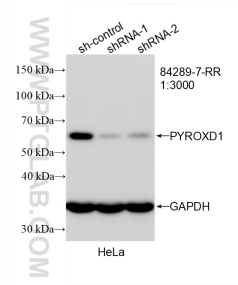
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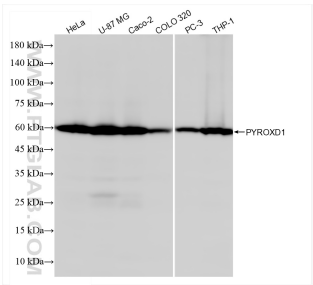
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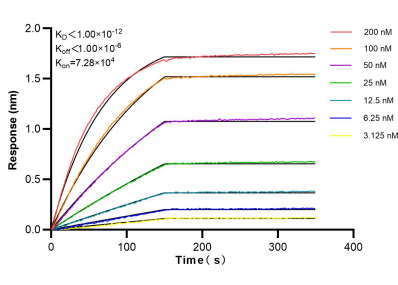
Selected Validation Data



WB result of PYROXD1 antibody (84289-7-RR; 1:3000; 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 84289-7-RR (PYROXD1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 84289-7-RR against Human PYROXD1 were performed. The affinity constant is below 1 pM.