

For Research Use Only

PYROXD1 Recombinant antibody, PBS Only

Catalog Number: 84289-7-PBS

Featured Product



Basic Information

Catalog Number:

84289-7-PBS

Size:

100ug, Concentration: 1 mg/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:

55-60 kDa

Purification Method:

Protein A purification

CloneNo.:

241639D7

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

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 -80°C.

Storage Buffer:

PBS only, pH7.3

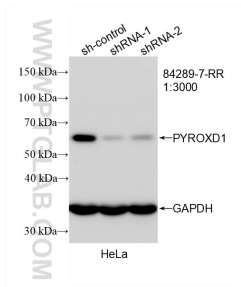
For technical support and original validation data for this product please contact:

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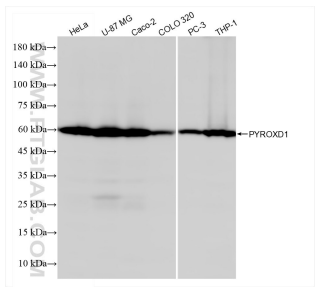
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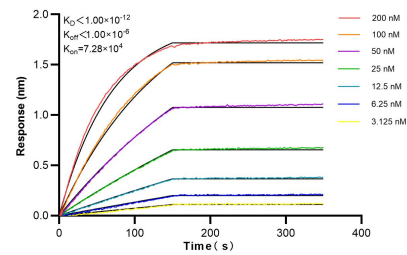
Selected Validation Data



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. This data was developed using the same antibody clone with 84289-7-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 84289-7-PBS in a different storage buffer formulation.



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