For Research Use Only

PYROXD1 Recombinant antibody, PBS Only

Catalog Number:84289-7-PBS Featured Product

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Basic Information

Catalog Number:
84289-7-PBS

Concentration:
1 mg/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 purfication

CloneNo.:
241639D7

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

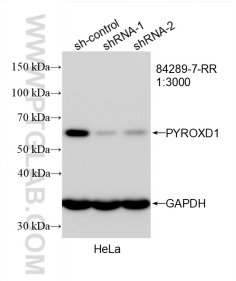
pyridine nucleotide-disulfide oxidoreductase domain 1 (PYROXD1) is a putative oxidoreductase that co-evolved with the tRNA-LC and is essential for its activity in cells and in vivo. PYROXD1 oxidizes NAD(P)H to NAD(P)+ with tightly controlled kinetics, reducing one molecule of O2 into H2O2 per turnover.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

Storage

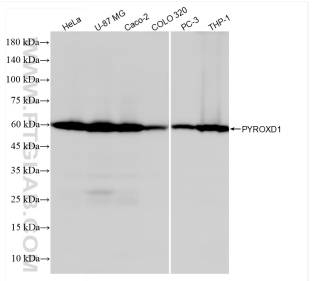
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

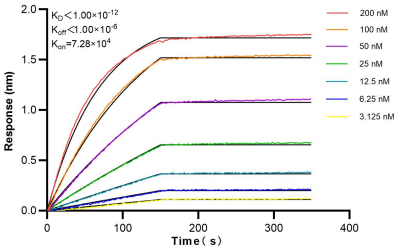
Selected Validation Data



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.