

For Research Use Only

PDK4 Recombinant antibody, PBS Only (Detector)



Catalog Number: 83583-1-PBS

Basic Information

Catalog Number: 83583-1-PBS	GenBank Accession Number: BC040239	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 5166	CloneNo.: 240551E4
Source: Rabbit	UNIPROT ID: Q16654	
Isotype: IgG	Full Name: pyruvate dehydrogenase kinase, isozyme 4	
Immunogen Catalog Number: AG3629	Calculated MW: 411 aa, 46 kDa	

Applications

Tested Applications:
WB, FC (Intra), Cytometric bead array, Sandwich ELISA,
Indirect ELISA, Sample test

Species Specificity:
human, mouse

Background Information

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

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

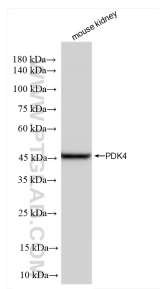
T: 4006900926

E: Proteintech-CN@ptglab.com

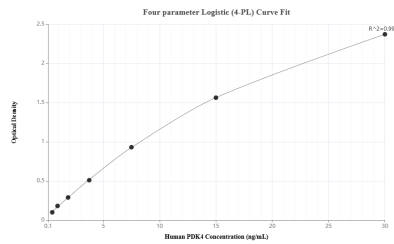
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

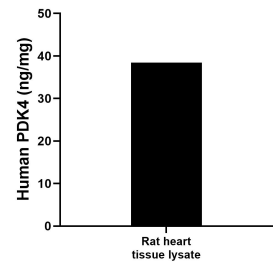
Selected Validation Data



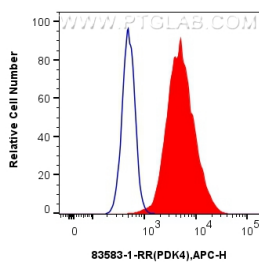
mouse kidney tissue were subjected to SDS PAGE followed by western blot with 83583-1-RR (PDK4 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83583-1-PBS in a different storage buffer formulation.



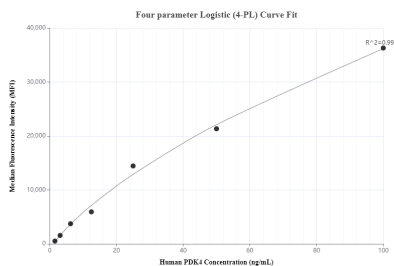
Sandwich ELISA standard curve of MP00556-3, Human PDK4 Recombinant Matched Antibody Pair - PBS only. 83583-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag3629. 83583-1-PBS was HRP conjugated as the detection antibody. Range: 0.47-30 ng/mL



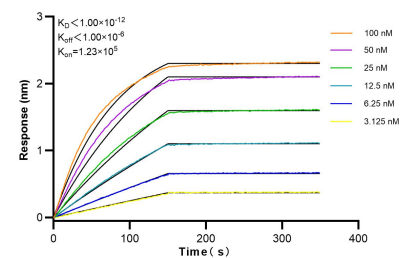
Dissect the rat heart tissue and wash briefly with chilled 1X PBS to remove any blood if necessary, cut the tissue into smaller pieces whilst keeping it on ice. Transfer the tissue to a homogenizer and add Extraction Reagent with protease inhibitor. In general, add 500 μ L Extraction Reagent for approximately every 10 mg of tissue. Homogenize thoroughly and keep the sample on ice for 30 min. Sonicate the sample and centrifuge at 10,000 \times g, then transfer the supernatant to



1x10⁶ HeLa cells were intracellularly stained with 0.25 μ g PDK4 Recombinant antibody (83583-1-RR, Clone:240551E4) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 μ g Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 83583-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP00556-2, PDK4 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83583-2-PBS. Detection antibody: 83583-1-PBS. Standard: Ag3629. Range: 1.56-100 ng/mL



Bilayer interferometry (BLI) kinetic assays of 83583-1-RR against Human PDK4 were performed. The affinity constant is below 1 pM.