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Datasheet for ABIN5708184 anti-PDK1 antibody (AA 107-336)

Image



Overview

Quantity:	100 µg	
Target:	PDK1	
Binding Specificity:	AA 107-336	
Reactivity:	Human, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))	

Product Details

Immunogen:	A recombinant human protein corresponding to amino acids V107-Y336 was used as the immunogen for the PDK1 antibody.	
Isotype:	IgG	
Purification:	Antigen affinity purified	

Target Details

Target:	PDK1	
Alternative Name:	PDK1 / Pyruvate Dehydrogenase Kinase 1 (PDK1 Products)	
Background:	PDK1 (Pyruvate Dehydrogenase Kinase Isoenzyme 1), is an enzyme that in humans is encoded	
	by the PDK1 gene. To find human PDKs, Gudi et al. (1995) used oligonucleotide primers to	
	screen a human liver cDNA library by PCR. They identified and reported the deduced amino acid	
	sequences of PDK1, PDK2, and PDK3. The human PDK1 gene encodes a protein with a	

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	predicted molecular mass of 49,244 Da that shares 93 % identity with that of the rat PDK1 gene. Northern blot analysis showed that the PDK1 message was expressed predominantly in the heart.	
UniProt:	Q15118	
Pathways:	PI3K-Akt Signaling, RTK Signaling, Regulation of Carbohydrate Metabolic Process, Hepatitis C, Warburg Effect	
Application Details		
Application Notes:	Optimal dilution of the PDK1 antibody should be determined by the researcher.\. Western blot: 0.5-1 µg/mL, IHC (FFPE): 1-2 µg/mL, Direct ELISA: 0.1-0.5 µg/mL	
Restrictions:	For Research Use only	
Handling		
Buffer:	0.5 mg/mL if reconstituted with 0.2 mL sterile DI water	
Storage:	-20 °C	
Storage Comment:	After reconstitution, the PDK1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.	

Images

Target Details

kDa 180-		Western Blotting
130- 95-		Image 1. Western blot testing of 1) human COLO-320 and 2)
72-		human PANC-1 cell lysate with PDK1 antibody at 0.5ug/ml.
55- 🛑	-	Predicted molecular weight ~49 kDa.
43-		
34-	14.44	
26-	-	
17- 1	2	

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