

Product Datasheet

PDPK1 Recombinant Rabbit Monoclonal Antibody (orb704318)

Catalog Number	orb704318
Category	Antibodies
Description	PDPK1 Recombinant Rabbit Monoclonal Antibody
Target	PDPK1
Clonality	Recombinant
Species/Host	Rabbit
Isotype	IgG
Conjugation	Unconjugated
Reactivity	Human, Mouse, Rat
Predicted Reactivity	Mouse, Rat
Form/Appearance	Liquid
Concentration	1mg/ml
Buffer/Preservatives	0.01M TBS (pH7.4) with 1% rAlbumin, 0.02% Proclin300 and 50% Glycerol.
Purification	Affinity purified by Protein A
Immunogen	KLH conjugated synthetic peptide derived from human PDK1
UniProt ID	O15530
MW	61 kDa
Tested applications	FC, IF, IHC-Fr, IHC-P, WB

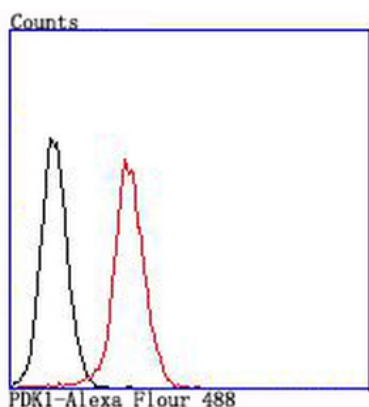
Biorbyt Ltd.

7 Signet Court, Swann's Road,
Cambridge, CB5 8LA, United Kingdom
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\) 1223 859-353](tel:+441223859353) | Fax: [+1 \(415\) 651-8558](tel:+14156518558)

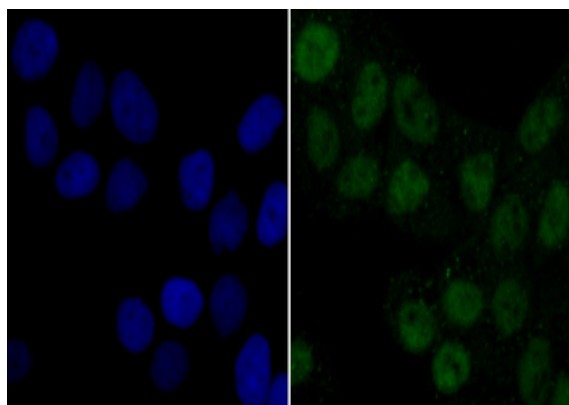
Biorbyt LLC.

68 TW Alexander Drive,
Durham, NC, 27713, United States
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Dilution range	WB=1:500-2000, IHC-P=1:500-2000, IHC-F=1:500-2000, IF=1:500-2000, Flow-Cyt=1:50-100
Antibody Type	Primary Antibody
Clone Number	2F9
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only



Blank control: NIH/3T3. Primary Antibody (green line): Rabbit Anti-PDK1 antibody (orb704318), dilution: 1:50, Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody: Goat anti-rabbit IgG-AF488, dilution: 1:1000. Protocol, The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20000 events was performed.



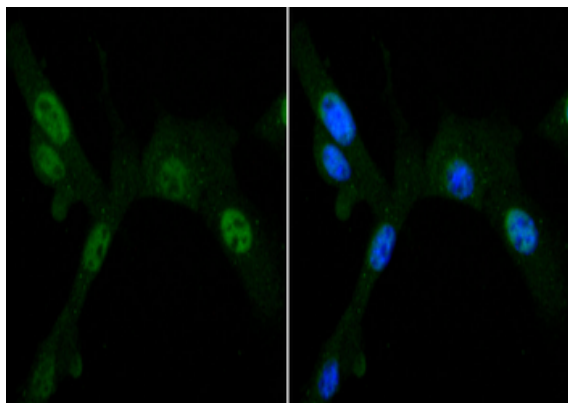
Hela cell, 4% Paraformaldehyde-fixed, Triton X-100 at room temperature for 20 min, Blocking buffer (normal goat serum) at 37°C for 20 min, Antibody incubation with (PDK1) monoclonal Antibody, Unconjugated (orb704318) 1:50, 90 minutes at 37°C, followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue) was used to stain the cell nuclei.

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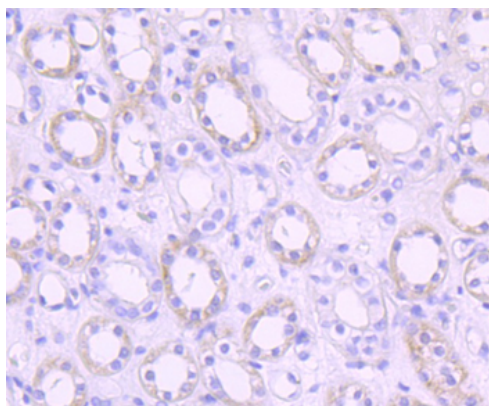
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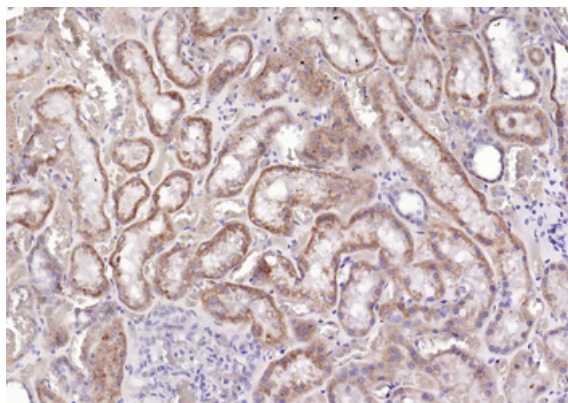
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NIH/3T3 cell, 4% Paraformaldehyde-fixed, Triton X-100 at room temperature for 20 min, Blocking buffer (normal goat serum) at 37°C for 20 min, Antibody incubation with (PDK1) monoclonal Antibody, Unconjugated (orb704318) 1:50, 90 minutes at 37°C, followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue) was used to stain the cell nuclei.



Paraformaldehyde-fixed, paraffin embedded (human kidney tissue), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (PDK1) Monoclonal Antibody, Unconjugated (orb704318) at 1:50 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.



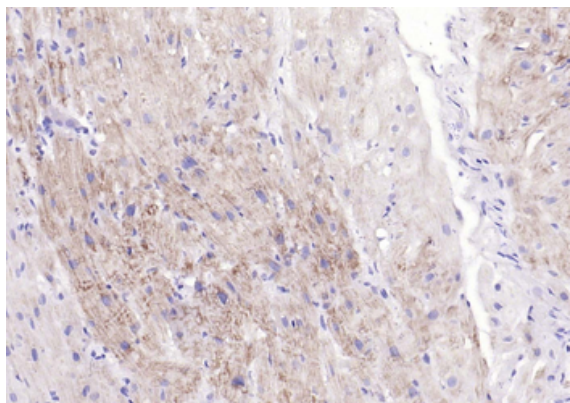
Paraformaldehyde-fixed, paraffin embedded (Human kidney), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (PDK1) Monoclonal Antibody, Unconjugated (orb704318) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

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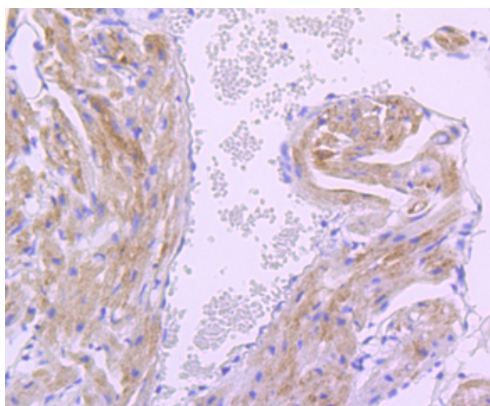
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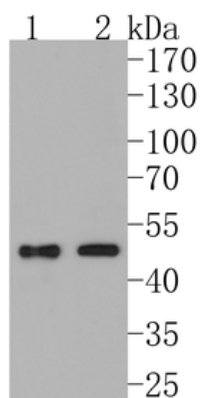
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Paraformaldehyde-fixed, paraffin embedded (human myocardium), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (PDK1) Monoclonal Antibody, Unconjugated (orb704318) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse heart tissue), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (PDK1) Monoclonal Antibody, Unconjugated (orb704318) at 1:50 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.



Sample: Lane 1: rat heart tissue lysate, Lane 2: mouse heart tissue lysate, Primary: Anti-PDK1 (orb704318) at 1:500 dilution, Secondary: Goat Anti-Rabbit IgG - HRP at 1:5000 dilution, Predicted band size: 61 kD, Observed band size: 50 kD.

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