

## Product datasheet for **TA302046**

### PDK4 Rabbit Polyclonal Antibody

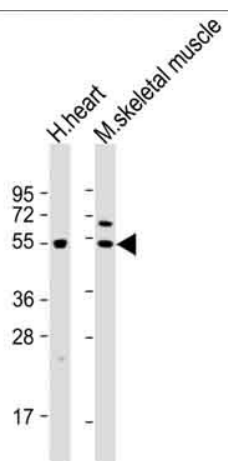
#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	IF: 1:100, WB: 1:1000, IHC: 1:10~50
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This PDK4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 382-410 amino acids from the C-terminal region of human PDK4.
Formulation:	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Concentration:	lot specific
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	46469 Da
Gene Name:	pyruvate dehydrogenase kinase 4
Database Link:	<a href="#">NP_002603</a> <a href="#">Entrez Gene 27273 Mouse</a> <a href="#">Entrez Gene 5166 Human</a> <a href="#">Q16654</a>
Background:	PDK4 inhibits the mitochondrial pyruvate dehydrogenase complex by phosphorylation of the E1 alpha subunit, thus contributing to the regulation of glucose metabolism.
Synonyms:	FLJ40832
Protein Families:	Druggable Genome, Protein Kinase

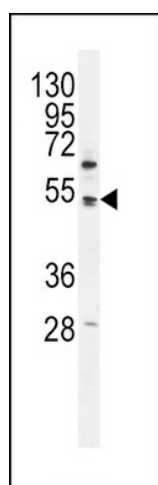


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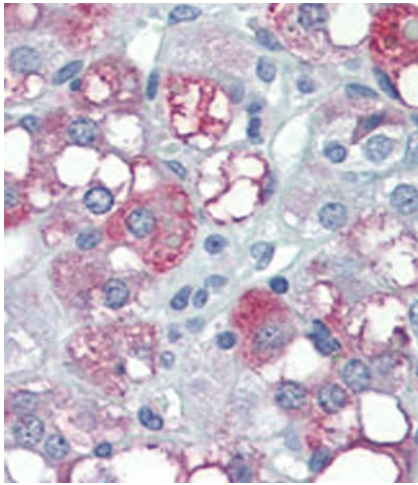
## Product images:



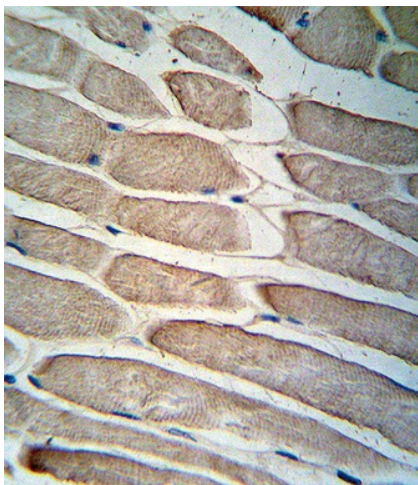
The PDK4 Antibody (C-term) (Cat# TA302046) is used in Western blot to detect PDK4 in mouse skeletal muscle tissue lysate.



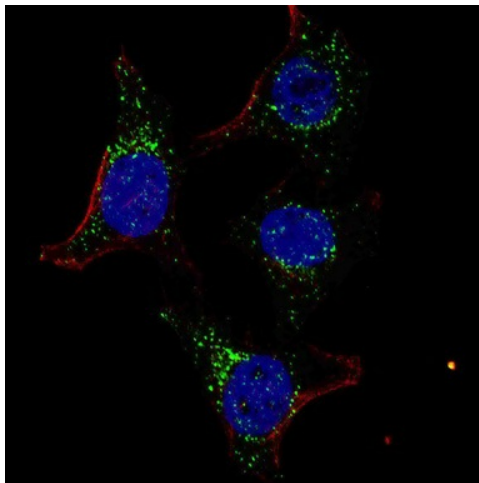
PDK4 Antibody (C396) (Cat. #TA302046) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the PDK4 antibody detected the PDK4 protein (arrow).



Formalin-fixed and paraffin-embedded human skeletal muscle reacted with PDK4 Antibody (C-term) (Cat. #TA302046), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Formalin-fixed and paraffin-embedded human Adrenal tissue reacted with PDK4 Antibody (C-term) (Cat. #TA302046), which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



IF image of HeLa cells stained with PDK4 (C-term) antibody. HeLa cells were incubated with TA302046 PDK4 (C-term) primary antibody (1:100, 2 h at RT). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:1000, 1h). Nuclei were counterstained with Hoechst 33342 (blue). Note the highly specific localization of the PDK4 mainly to the cytoplasm.