

## Product datasheet for **TA387004M**

### PDK3 Rabbit Polyclonal Antibody

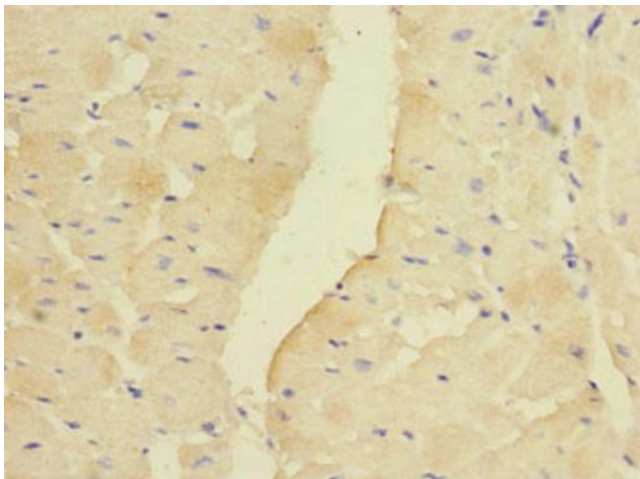
#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Recommended dilution: WB:1:1000-1:5000, IHC:1:20-1:200
Reactivity:	Mouse, Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant Human [Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 3, mitochondrial protein (137-406AA)
Formulation:	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Concentration:	lot specific
Purification:	Antigen Affinity Purified
Conjugation:	Unconjugated
Storage:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Stability:	1 year from dispatch.
Database Link:	<a href="#">Q15120</a>
Background:	Inhibits pyruvate dehydrogenase activity by phosphorylation of the E1 subunit PDHA1, and thereby regulates glucose metabolism and aerobic respiration. Can also phosphorylate PDHA2. Decreases glucose utilization and increases fat metabolism in response to prolonged fasting, and as adaptation to a high-fat diet. Plays a role in glucose homeostasis and in maintaining normal blood glucose levels in function of nutrient levels and under starvation. Plays a role in the generation of reactive oxygen species.

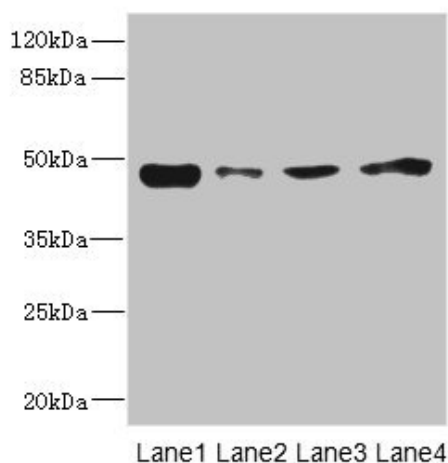


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## Product images:



Immunohistochemistry of paraffin-embedded human heart tissue using [TA387004] at dilution of 1:100



### Western blot

All lanes: PDK3 antibody at 1.6µg/ml

Lane 1: Mouse kidney tissue

Lane 2: RAW264.7 whole cell lysate

Lane 3: A431 whole cell lysate

Lane 4: HepG2 whole cell lysate

Secondary

Goat polyclonal to rabbit IgG at 1/10000 dilution

Predicted band size: 47, 49 kDa

Observed band size: 47 kDa