

## Product datasheet for **AP22786PU-N**

### **PDK4 (C-term) Rabbit Polyclonal Antibody**

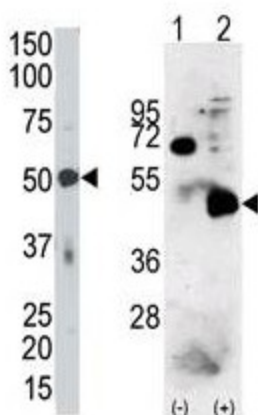
#### **Product data:**

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	<b>Immunofluorescence:</b> 1/100. <b>Immunohistochemistry on Paraffin Sections:</b> 10 µg/ml. <b>Western Blot:</b> 1/1000.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	PDK4 antibody was raised against kLH conjugated synthetic peptide between amino acids 382-410 from the C-terminal region of human PDK4.
Specificity:	This antibody recognizes Pyruvate Dehydrogenase Kinase Isoenzyme 4 (PDK4).
Formulation:	PBS containing 0.09% sodium azide State: Purified State: Liquid purified Ig fraction
Purification:	Ammonium Sulfate Precipitation
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	pyruvate dehydrogenase kinase 4
Database Link:	<a href="#">Entrez Gene 27273 Mouse</a> <a href="#">Entrez Gene 5166 Human</a> <a href="#">Q16654</a>
Background:	PDK4 belongs to the PDK/BCKDK protein kinase subfamily. PDK4 contributes to the regulation of glucose metabolism by inhibiting the mitochondrial pyruvate dehydrogenase complex by phosphorylating the E1 alpha subunit. PDK4 is upregulated in many tissues of the body during starvation.
Synonyms:	Pyruvate dehydrogenase kinase isoform 4
Protein Families:	Druggable Genome, Protein Kinase

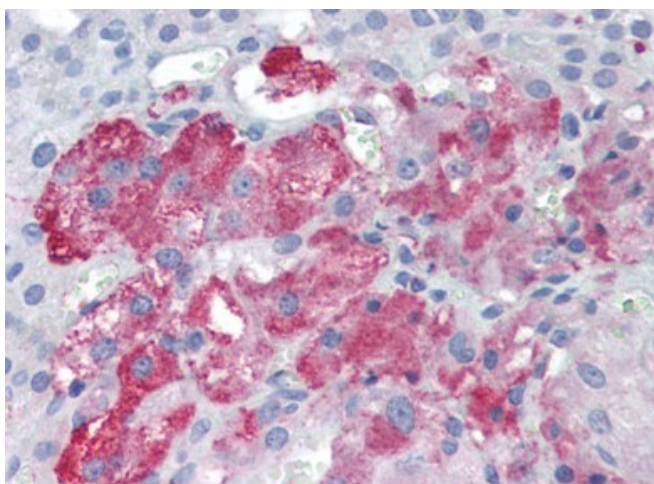


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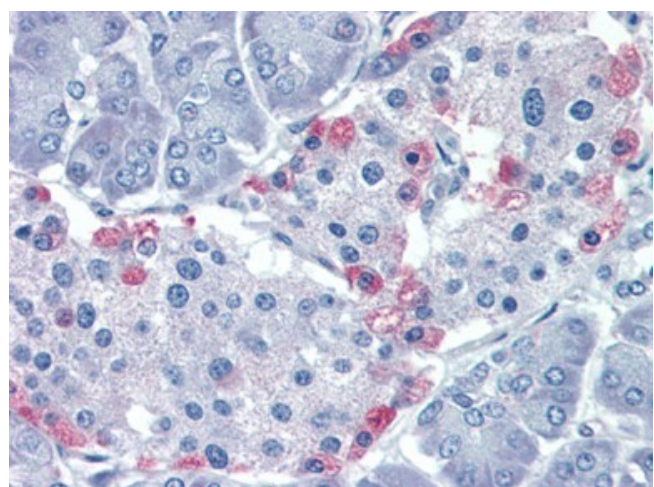
**Product images:**



(LEFT) The PDK4 Antibody is used in Western blot to detect PDK4 in mouse skeletal muscle tissue lysate. (RIGHT) Western blot analysis of PDK4 in 293 cell lysates (2 ug/lane) either non-transfected (Lane 1) or transiently transfected with the PDK4 gene (Lane 2).



Human Adrenal (formalin-fixed, paraffin-embedded) stained with PDK4 antibody followed by biotinylated goat anti-rabbit IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Human Pancreas (formalin-fixed, paraffin-embedded) stained with PDK4 antibody followed by biotinylated goat anti-rabbit IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.