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anti-PDK4 antibody (N-Term)

2 Images



Overview

Quantity:	100 μL
Target:	PDK4
Binding Specificity:	N-Term
Reactivity:	Human, Horse, Pig, Rabbit, Bat, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PDK4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunohistochemistry (Paraffinembedded Sections) (IHC (p))

Product Details

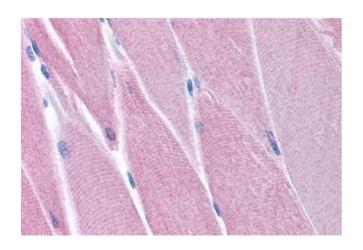
Brand:	IHC-plus™
Immunogen:	Synthetic peptide from N-Terminus of human PDK4 (Q16654, NP_002603). Percent identity by
	BLAST analysis: Human, Chimpanzee, Gorilla, Gibbon, Monkey, Galago, Marmoset, Elephant,
	Bat, Rabbit, Horse, Pig, Platypus (100%), Mouse, Rat, Bovine, Guinea pig (92%), Dog (91%),
	Lizard (90%), Turkey, Chicken (81%).
	Type of Immunogen: Synthetic peptide
Specificity:	Human PDK4
Predicted Reactivity:	Percent identity by BLAST analysis: Human, Rabbit, Horse, Pig (100%) Mouse, Rat, Bovine,

Product Details	
Purification:	Immunoaffinity purified
Target Details	
Target:	PDK4
Alternative Name:	PDK4 (PDK4 Products)
Background:	Name/Gene ID: PDK4
	Subfamily: PDK/BCKDK
	Family: Protein Kinase
	Synonyms: PDK4, PDHK4
Gene ID:	5166
NCBI Accession:	NP_002603
UniProt:	Q16654
Pathways:	PI3K-Akt Signaling, Hedgehog Signaling, Carbohydrate Homeostasis, Regulation of
	Carbohydrate Metabolic Process, Warburg Effect
Application Details	
Application Notes:	Approved: IHC, IHC-P (5 μg/mL), WB (0.2 - 1 μg/mL)
	Usage: Immunohistochemistry: This antibody was validated for use in immunohistochemistry
	on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced
	antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were
	incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin
	and chromogen. The stained slides were evaluated by a pathologist to confirm staining
	specificity. The optimal working concentration for this antibody was determined to be 5 µg/mL.
Comment:	Target Species of Antibody: Human
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	After adding water, will consist of PBS buffer with 2 % sucrose

Handling

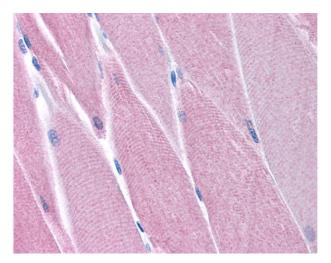
Concentration:	Lot specific
Buffer:	Lyophilized from PBS with 2 % sucrose
Handling Advice:	Avoid repeat freeze-thaw cycles.
Storage:	4 °C,-20 °C
Storage Comment:	Long term: -20°C, the use of 50% glycerol is recommended if storing aliquots in -20°C for long term use (up to 1 year) Short term (less than 1 week): 4°C. Avoid freeze-thaw cycles.

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Human Skeletal Muscle (formalin-fixed, paraffinembedded) stained with PDK4 antibody ABIN214801 at 5 ug/ml followed by biotinylated goat anti-rabbit lgG secondary antibody ABIN481713, alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry

Image 2. Anti-PDK4 antibody IHC of human skeletal muscle. Immunohistochemistry of formalin-fixed, paraffinembedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml. This image was taken for the unconjugated form of this product. O ...