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Datasheet for ABIN2855802  
**anti-PDK3 antibody (Center)**

2 Images

Overview

Quantity:	100 µL
Target:	PDK3
Binding Specificity:	Center
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PDK3 antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human PDK3. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Mouse (Murine), Chicken, Rat (Rattus), Cow (Bovine), Xenopus tropicalis
Cross-Reactivity (Details):	Mouse (96 %), Chicken (93 %), Rat (96 %), Bovine (98 %), Xenopus tropicalis (83 %)
Characteristics:	Rabbit Polyclonal antibody to PDK3 (pyruvate dehydrogenase kinase, isozyme 3) PDK3 antibody [N1C2]
Purification:	Purified by antigen-affinity chromatography.

## Target Details

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Target:	PDK3
Alternative Name:	PDK3 ( <a href="#">PDK3 Products</a> )
Background:	Inhibits the mitochondrial pyruvate dehydrogenase complex by phosphorylation of the E1 alpha subunit, thus contributing to the regulation of glucose metabolism.  Cellular Localization: Mitochondrion matrix
Molecular Weight:	47 kDa
Gene ID:	5165
Pathways:	<a href="#">PI3K-Akt Signaling</a> , <a href="#">Carbohydrate Homeostasis</a> , <a href="#">Regulation of Carbohydrate Metabolic Process</a> , <a href="#">Warburg Effect</a>

## Application Details

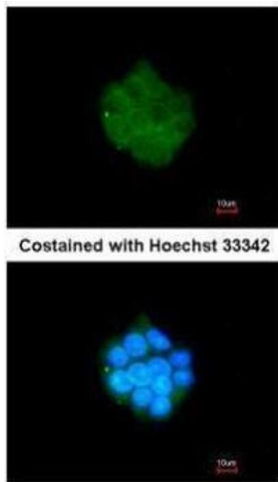
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Application Notes:	Suggested dilution Reference ICC/IF 1:100-1:1000* IHC (Formalin-fixed paraffin-embedded sections) 1:100-1:1000* Not tested in other applications. *Optimal dilutions/concentrations should be determined by the researcher.Suggested dilutionReference ICC/IF1:100-1:1000* IHC (Formalin-fixed paraffin-embedded sections)1:100-1:1000*
Restrictions:	For Research Use only

## Handling

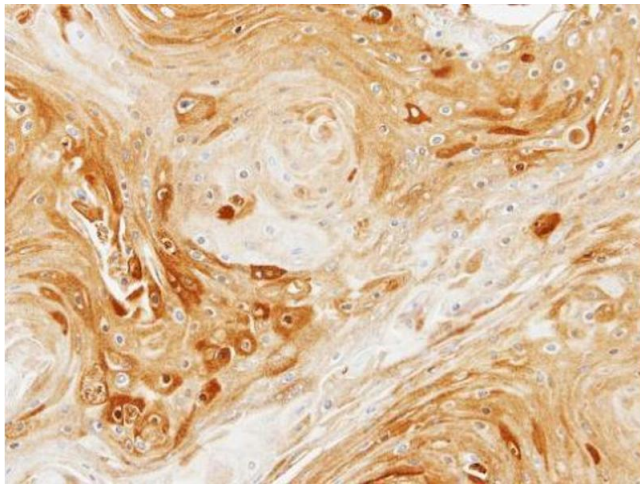
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Format:	Liquid
Concentration:	0.4 mg/mL
Buffer:	0.1M Tris, 0.1M Glycine, 10 % Glycerol ( pH 7). 0.01 % Thimerosal was added as a preservative.
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.



### Immunofluorescence

**Image 1.** ICC/IF Image Immunofluorescence analysis of methanol-fixed HepG2, using PDK3, antibody at 1:200 dilution.



### Immunohistochemistry

**Image 2.** IHC-P Image Immunohistochemical analysis of paraffin-embedded Ca922 xenograft, using PDK3, antibody at 1:100 dilution.