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# anti-PDK2 antibody

**Images** 

**Publications** 



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Quantity:	400 μL
Target:	PDK2
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PDK2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

### **Product Details**

Immunogen:	This PDK2 antibody is generated from rabbits immunized with recombinant protein of human PDK2.
Clone:	RB23089
Isotype:	lg Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

# **Target Details**

Target:	PDK2
Alternative Name:	PDK2 (PDK2 Products)
Background:	PDK2 inhibits the mitochondrial pyruvate dehydrogenase complex by phosphorylation of the E1
	alpha subunit, thus contributing to the regulation of glucose metabolism.

# **Target Details**

Molecular Weight:	46154
Gene ID:	5164
NCBI Accession:	NP_001186827, NP_001186828, NP_002602
UniProt:	Q15119
Pathways:	PI3K-Akt Signaling, RTK Signaling, Carbohydrate Homeostasis, Regulation of Carbohydrate  Metabolic Process, Warburg Effect

# **Application Details**

Application Notes:	WB: 1:1000. IHC-P: 1:10~50. FC: 1:10~50
Restrictions:	For Research Use only

# Handling

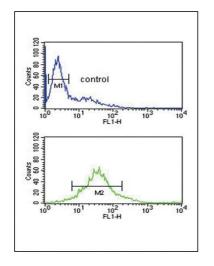
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

# **Publications**

Product cited in:

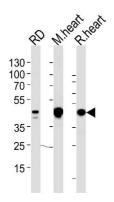
Alkhatabi, McLornan, Kulasekararaj, Malik, Seidl, Darling, Gaken, Mufti: "RPL27A is a target of miR-595 and may contribute to the myelodysplastic phenotype through ribosomal dysgenesis."

in: Oncotarget, Vol. 7, Issue 30, pp. 47875-47890, (2018) (PubMed).



## **Flow Cytometry**

**Image 1.** PDK2 Antibody (ABIN653784 and ABIN2843071) flow cytometric analysis of Jurkat cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



## **Western Blotting**

**Image 2.** PDK2 Antibody (ABIN653784 and ABIN2843071) western blot analysis in RD cell line and mouse heart,rat heart lysates (35 µg/lane). This demonstrates the PDK2 antibody detected the PDK2 protein (arrow).



# Immunohistochemistry (Paraffin-embedded Sections)

Image 3. PDK2 Antibody (ABIN653784 and ABIN2843071) IHC analysis in formalin fixed and paraffin embedded skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the PDK2 Antibody for immunohistochemistry. Clinical relevance has not been evaluated.