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Quantity:	200 μL
Target:	PDK3
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PDK3 antibody is un-conjugated
Application:	Western Blotting (WB)

# **Product Details**

Immunogen:	Recombinant fusion protein of human PDK3 (NP_005382.1).	
Isotype:	lgG	
Characteristics:	Polyclonal Antibody	
Purification:	Affinity purification	

# **Target Details**

l arget:	PDK3
Alternative Name:	PDK3 (PDK3 Products)
Background:	The pyruvate dehydrogenase (PDH) complex is a nuclear-encoded mitochondrial multienzyme
	complex that catalyzes the overall conversion of pyruvate to acetyl-CoA and CO(2). It provides
	the primary link between glycolysis and the tricarboxylic acid (TCA) cycle, and thus is one of the
	major enzymes responsible for the regulation of glucose metabolism. The enzymatic activity of

# **Target Details**

	PDH is regulated by a phosphorylation/dephosphorylation cycle, and phosphorylation results in inactivation of PDH. The protein encoded by this gene is one of the three pyruvate dehydrogenase kinases that inhibits the PDH complex by phosphorylation of the E1 alpha subunit. This gene is predominantly expressed in the heart and skeletal muscles. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Molecular Weight:	Observed_MW: 47 kDa  Calculated_MW: 46 kDa/48 kDa
Gene ID:	5165
UniProt:	Q15120
Pathways:	PI3K-Akt Signaling, Carbohydrate Homeostasis, Regulation of Carbohydrate Metabolic Process, Warburg Effect

# **Application Details**

Precaution of Use:

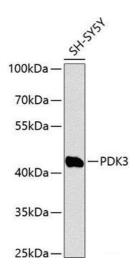
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Application Notes:	WB 1:500-1:2000	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	1 mg/mL	
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3	
Preservative:	Sodium azide	

Storage: -20 °C

Storage Comment: Store at -20 °C. Avoid freeze / thaw cycles.

should be handled by trained staff only.

This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which



# **Western Blotting**

**Image 1.** Western blot analysis of extracts of SH-SY5Y cells using PDK3 Polyclonal Antibody at dilution of 1:1000.