

## Mouse Monoclonal Antibody to PDK1

<b>Catalogue Number</b>	sAP-0506
<b>Target Molecule</b>	<b>Name: PDK1</b> <b>Aliases: PDK1</b> <b>MW: 44kDa</b> <b>Entrez Gene ID: 5163</b>
<b>Description</b>	Pyruvate dehydrogenase (PDH) is a mitochondrial multienzyme complex that catalyzes the oxidative decarboxylation of pyruvate and is one of the major enzymes responsible for the regulation of homeostasis of carbohydrate fuels in mammals. The enzymatic activity is regulated by a phosphorylation/dephosphorylation cycle. Phosphorylation of PDH by a specific pyruvate dehydrogenase kinase (PDK) results in inactivation. (provided by RefSeq). Tissue specificity: Expressed predominantly in the heart.
<b>Immunogen</b>	Purified recombinant fragment of human PDK1 expressed in E. Coli.
<b>Reactive Species</b>	Human; Monkey; Rat
<b>Clone</b>	MM4A11;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide. ;
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; ICC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1. Nat Cell Biol. 2008 Feb;10(2):127-37. ; 2. Blood. 2008 Apr 1;111(7):3723-34. ; 3. J Biol Chem. 2007 Apr 20;282(16):12272-89.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**