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Datasheet for ABIN518762

anti-PDK4 antibody (AA 1-411)

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Overview

Quantity:	100 µg
Target:	PDK4
Binding Specificity:	AA 1-411
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PDK4 antibody is un-conjugated
Application:	ELISA

Product Details

Purpose:	Mouse monoclonal antibody raised against a full length recombinant PDK4.
Immunogen:	PDK4 (AAH40239.1, 1 a.a. ~ 411 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	MKAARFVLRG AGSLNGAGLV PREVEHFSRY SPSPLSMKQL LDFGSENACE RTSFAFLRQE LPVRLANILK EIDILPTQLV NTSSVQLVKS WYIQSLMDLV EFHEKSPDDQ KALSDFVDTL IKVRNRHHNV VPTMAQGIIE YKDACTVDPV TNQNLQYFLD RFYMNRISTR MLMNQHILIF SDSQTGNPSH IGSIDPNCDV VAVVQDAFEC SRMLCDQYYL SSELKLTQV NGKFPDQPIH IVYVPSHLHH MLFELFKNAM RATVEHQENQ PSLTPIEVIV VLGKEDLTIK ISDRGGGVPL RIIDRLFSYT YSTAPTPVMD NSRNAPLAGF GYGLPISRLY AKYFQGDNLN YLSGYGTDA IYLLKALSSE SIEKLPVFNK SAFKHYQMSS EADDWCIPSR EPKNLAKEVA M
Clone:	1A10

Product Details

Isotype:	IgG2a
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

Target Details

Target:	PDK4
Alternative Name:	PDK4 (PDK4 Products)
Background:	Full Gene Name: pyruvate dehydrogenase kinase, isozyme 4 Synonyms: FLJ40832
Gene ID:	5166
Pathways:	PI3K-Akt Signaling , Hedgehog Signaling , Carbohydrate Homeostasis , Regulation of Carbohydrate Metabolic Process , Warburg Effect

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

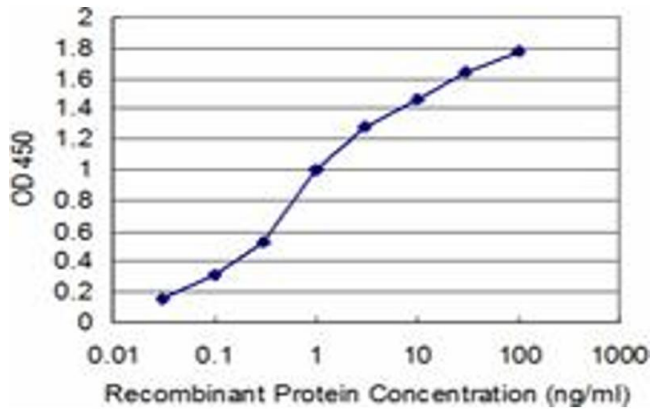
Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Publications

Product cited in: Harada, Kakuda, Sato, Ikeda, Shimoda, Yamamoto, Inoue, Ohta, Kasashima, Kawashima, Nakanuma: "Alteration of energy metabolism in the pathogenesis of bile duct lesions in primary biliary cirrhosis." in: **Journal of clinical pathology**, Vol. 67, Issue 5, pp. 396-402, (2014) ([PubMed](#)).

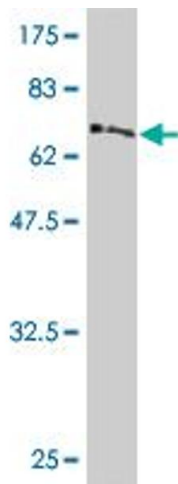
Puthanveetil, Wang, Wang, Kim, Abrahani, Rodrigues: "The increase in cardiac pyruvate dehydrogenase kinase-4 after short-term dexamethasone is controlled by an Akt-p38-forkhead

box other factor-1 signaling axis." in: **Endocrinology**, Vol. 151, Issue 5, pp. 2306-18, (2010) ([PubMed](#)).



ELISA

Image 1. Detection limit for recombinant GST tagged PDK4 is approximately 0.1 ng/ml as a capture antibody.



Western Blotting

Image 2. Western Blot detection against Immunogen (70.95 kDa) .