

Anti-Mitochondrial Pyruvate dehydrogenase kinase 1/PDK1 Antibody Picoband® Cy3 Conjugated

Catalog Number: PA1993-Cy3

About PDK1

PDK1 (Pyruvate Dehydrogenase Kinase Isoenzyme 1), is an enzyme that in humans is encoded by the PDK1 gene. To find human PDKs, Gudi et al. (1995) used oligonucleotide primers to screen a human liver cDNA library by PCR. They identified and reported the deduced amino acid sequences of PDK1, PDK2, and PDK3. The human PDK1 gene encodes a protein with a predicted molecular mass of 49,244 Da that shares 93% identity with that of the rat PDK1 gene. Northern blot analysis showed that the PDK1 message was expressed predominantly in the heart.

Overview

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| Product Name | Anti-Mitochondrial Pyruvate dehydrogenase kinase 1/PDK1 Antibody Picoband® Cy3 Conjugated |
| Reactive Species | Human, Rat |
| Application | Flow Cytometry |
| Clonality | Polyclonal |
| Formulation | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light. |
| Host | Rabbit |
| Uniprot ID | Q15118 |

Technical Details

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| Immunogen | A synthetic peptide corresponding to a sequence at the C-terminus of human Mitochondrial Pyruvate dehydrogenase kinase 1, different from the related rat sequence by one amino acid, and from the related mouse sequence by two amino acids. |
| Cross Reactivity | No cross-reactivity with other proteins |
| Isotype | Rabbit IgG |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Immunogen affinity purified. |
| Conjugate | Cy3 Excitation Wavelength: 554 nm Emission Wavelength: 568 nm |

Suggested Dilutions

Flow Cytometry, Optimal dilutions should be determined by end users.

2 Publications Citing This Product

1. PubMed ID: 19816521, Xu K, Ding Q, Fang Z, Zheng J, Gao P, Lu Y, Zhang Y. Cancer Gene Ther. 2010 Mar;17(3):212-22. Doi: 10.1038/Cgt.2009.66. Epub 2009 Oct 9. Silencing Of Hif-1Alpha Suppresses Tumorigenicity Of Renal Cell Carcinoma Through Induction Of Apoptosis.
2. PubMed ID: 29845188, lncRNA Ftx promotes aerobic glycolysis and tumor progression through the PPAR γ pathway in hepatocellular carcinoma

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