

Anti-PCK2 Antibody Picoband® (monoclonal, 3F7) FITC Conjugated

Catalog Number: M04772-2-FITC

About PCK2

Phosphoenolpyruvate carboxykinase 2, mitochondrial (PCK2, PEPCK-M), is an isozyme of phosphoenolpyruvate carboxykinase (PCK, PEPCK) that in humans is encoded by the PCK2 gene. It is mapped to 14q11.2-q12. This gene encodes a mitochondrial enzyme that catalyzes the conversion of oxaloacetate to phosphoenolpyruvate in the presence of guanosine triphosphate (GTP). A cytosolic form of this protein is encoded by a different gene and is the key enzyme of gluconeogenesis in the liver. Alternatively spliced transcript variants have been described.

Overview

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| Product Name | Anti-PCK2 Antibody Picoband® (monoclonal, 3F7) FITC Conjugated |
| Reactive Species | Human, Monkey, Mouse, Rat |
| Application | Flow Cytometry |
| Clonality | Monoclonal 3F7 |
| 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 | Mouse |
| Uniprot ID | Q16822 |

Technical Details

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|---------------------|--|
| Immunogen | E.coli-derived human PCK2 recombinant protein (Position: M1-M640). |
| Cross Reactivity | No cross-reactivity with other proteins. |
| Isotype | Mouse IgG2b |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Immunogen affinity purified. |
| Conjugate | FITC Excitation Wavelength: 495 nm Emission Wavelength: 525 nm |
| Suggested Dilutions | Flow Cytometry, Optimal dilutions should be determined by end users. |

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