

Anti-PKLR Antibody Picoband® FITC Conjugated

Catalog Number: PB9499-FITC

About PKLR

Pyruvate kinase isozymes R/L is an enzyme that in humans is encoded by the PKLR gene. It is mapped to 1q21. The protein encoded by this gene is a pyruvate kinase that catalyzes the transphosphorylation of phosphoenolpyruvate into pyruvate and ATP, which is the rate-limiting step of glycolysis. Defects in this enzyme, due to gene mutations or genetic variations, are the common cause of chronic hereditary nonspherocytic hemolytic anemia (CNSHA or HNSHA). Multiple transcript variants encoding different isoforms have been found for this gene.

Overview

Product Name	Anti-PKLR Antibody Picoband® FITC Conjugated
Reactive Species	Human, Mouse, 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	P30613

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human PKLR, different from the related mouse sequence by one amino acid, and identical to the rat sequence.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
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.

1 Publications Citing This Product

1. PubMed ID: 10.1111/jcmm.13805, miR-1322 regulates ChREBP expression via binding a 3'UTR variant (rs1051943)

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