



Anti-Beta-Phosphoglucomutase polyclonal antibody (DPAB21329)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Goat Anti-Beta-Phosphoglucomutase Polyclonal Antibody
Target	Beta-Phosphoglucomutase
Immunogen	Beta Phosphoglucomutase [Lactococcus lacti]
Source/Host	Goat
Species Reactivity	Lactococcus
Purification	This product was prepared from monospecific antiserum by a delipidation and defibrination. Assay by immunoelectrophoresis resulted in a single precipitin arc against purified and partially purified b-Phosphoglucomutase [Lactococcus lacti]. Cross reactivit
Conjugate	Unconjugated
Applications	WB, ELISA
Format	Lyophilized
Concentration	90 mg/mL by Refractometry
Size	2 ml
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative	None
Storage	Store vial at 4°C prior to restoration. For extended storage aliquot contents and freeze at -20°C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for sev

BACKGROUND

Introduction

beta-phosphoglucomutase is an enzyme that transfers a phosphoryl group on a glucose monomer from the 1" to the 6" position in the forward direction or the 6" to the 1" position in the reverse. Specifically, it converts beta-D-glucose-1-phosphate to beta-D-glucose-6-phosphate. This enzyme participates in both the breakdown and synthesis of glucose. Maltose metabolism in Lactococcus lactis involves the conversion of beta-glucose 1-phosphate to glucose 6-phosphate, a reaction which is reversibly catalysed by a maltose-inducible and glucose-repressible beta-phosphoglucomutase (beta-PGM). Alpha-PGM is expressed constitutively. beta-phosphoglucomutase is a member of the haloacid dehalogenase superfamily of hydrolase enzymes. The enzyme from Lactococcus lactis has been extensively characterised including a remarkable crystal structure which traps the pentacoordinate transition state.

Keywords

pgmB antibody; Beta PGM antibody; Glucose phosphomutase2antibody; Glucose phosphomutase antibody; PGM antibody; pgmB antibody; Goat Anti-Beta-Phosphoglucomutase Polyclonal Antibody; Anti-Beta-Phosphoglucomutase Polyclonal Antibody; Beta-Phosphoglucomutase