Datasheet for ABIN5596694

anti-PCK1 antibody (HRP)

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Overview

Quantity:	100 µg
Target:	PCK1
Reactivity:	Zea mays
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PCK1 antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Purpose:	Phospho Enol Pyruvate Carboxylase Antibody Peroxidase Conjugated
Immunogen:	Immunogen: Phospho-enol-pyruvate Carboxylase [Maize Leaves] Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Rabbit Serum as well as purified and partially purified Phospho-enol-Pyruvate Carboxylase [Maize].
Characteristics:	Synonyms: rabbit anti-Phospho Enol Pyruvate Carboxylase Antibody Peroxidase Conjugation, PE conjugated rabbit anti-PEPC 1 antibody, PEPCase 1 antibody, Phosphoenolpyruvate carboxylase 1 antibody
Purification:	Phospho Enol Pyruvate Carboxylase is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion

Product Details

	exchange chromatography followed by extensive dialysis against the buffer stated above.

Target Details

Target:	PCK1
Alternative Name:	Phospho Enol Pyruvate Carboxylase (PCK1 Products)
Background:	Background: Phospho Enol Pyruvate Carboxylase is an enzyme in the family of carboxy-lyases that catalyzes the addition of bicarbonate to phosphoenolpyruvate (PEP) to form a four-carbon compound oxaloacetate. This reaction is used for carbon fixation in CAM and C4 plants where it plays a key role in photosynthesis. The enzyme is also found in some bacteria, but not in animals or fungi.
Gene ID:	542372
UniProt:	B8XPZ2
Pathways:	Positive Regulation of Peptide Hormone Secretion, Carbohydrate Homeostasis

Application Details

Application Notes:	Immunohistochemistry Dilution: User Optimized Application Note: Anti-Phosphoenolpyruvate Carboxylase Peroxidase conjugated antibody has been tested by western blot and is suitable to be assayed against 1.0 µg of Phospho-enol-Pyruvate Carboxylase [Maize] in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:1,000 to 1:6,000 of the reconstitution concentration is suggested for this product. Western Blot Dilution: 1:500 - 1:2,000 ELISA Dilution: 1:5,000 - 1:20,000 Other: User Optimized
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitution Volume: 100 µL Reconstitution Buffer: Restore with deionized water (or equivalent)
Concentration:	1.0 mg/mL

Handling

Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free Preservative: 0.01 % (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!
Preservative:	Gentamicin sulfate
Precaution of Use:	This product contains Gentamicin sulfate: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	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 several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiry Date:	12 months