

PEPC | phosphoenolpyruvate carboxylase, ALP-conjugated (40 µg)

Cat PA00668

Size 40 µg

Host

Rabbit

Clonality

Polyclonal

Confirmed reactivity

Ananas comosus, Arabidopsis thaliana, Synechocystis PCC 6803, Chromera velia, Hordeum vulgare, Jatropha curcas, Lupinus sp., Mesembryanthemum crystallinum, Nicotiana tabacum, Oryza sativa, Saccharum spp. hybrid clone C91-301, Salsola laricifolia, Zea mays, Synechocystis sp. , Phaeodactylum tricornutum (strain CCAP 1055/1), Thalassiosira weissfloggi

Immunogen

KLH-conjugated synthetic peptide well conserved PEPC1 and sequences from different plant species including Arabidopsis thaliana Q9MAH0, At1g53310 (PEPC 1), Q84VW9, At3g14940 (PEPC 3). The peptide chosen to elicit this antibody is also perfectly conserved in bacterial type of this enzyme NP_177043.2 (PEPC 4)

Host

Rabbit

Clonality

Polyclonal

Purity

Immunogen affinity purified serum in PBS pH 7.4.

Format

Liquid

Storage

Store at 4°C for 12-18 months. A preservative may be added for long time storage up to 2 years.

Application

Western blot (WB)

Recommended dilution

1 : 1000 (WB)

Expected | apparent MW

110 | 105 kDa

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Predicted reactivity

Cucumis sativus (PEPC1,PEPC2,PEPC3), Flaveria trinervia, Glycine max, Lupinus albus, Mammillaria thornberi,

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Manihot obovata, Medicago sativa, Morinda citrifolia, Nopalea gaumeri, Opuntia macbridei, Pachycereus pringlei, Solanum tuberosum, Spinacia oleracea, Streptanthus tortuosus, Pachycereus hollianus, Pisum sativa, Phaseolus vulgaris, Triticum aestivum, algae, diatoms: Thalassiosira pseudonana, other species: Salmonella sp., Schiedea hookeri, Shigella sp. Schiedea sarmentosa, Streptanthus farnsworthianus, Tacinga saxatilis, Yersinia sp. Vibrio sp.

Not reactive in

No confirmed exceptions from predicted reactivity are currently known

Additional information

Antibody can be also used following 2D gel electrophoresis

Description

PEPC (phosphoenolpyruvate carboxylase), EC=4.1.1.31, belongs to the carboxylase family that catalyzes the addition of carbon dioxide to phosphoenolpyruvate (PEP) to oxaloacetic acid. Alternative names :PEPCase 1, PEPCase 3, pepc1, pepc3

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