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Agrisera AB | Box 57 | SE-91121 Vännäs | Sweden | +46 (0)935 33 000 | www.agrisera.com

Product no AS09 458-DL488

Anti-PEPC | phosphoenolpyruvate carboxylase, DyLight® 488 conjugated (40 µg)

Product information

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). For *Zea mays*, the peptide is converved in PEP1 and PEP4 isoforms.
Host	Rabbit
Clonality	Polyclonal
Purity	Immunogen affinity purified serum, in PBS pH 7.4, conjugated to DyLight® 488.
Format	Liquid in PBS pH 7,4.
Quantity	40 µg
Storage	Store at 4°C for 12-18 months, A preservative may be added for long time storage up to 2 years. Spin briefly the tube before use.
Additional information	DyLight® 488 Amax = 493 nm, Emax = 519 nm. DyLight® is a registered trademark of Thermofisher Inc., and its subsidiaries.

Application information

Recommended dilution	To be determined by end user
Expected | apparent MW	110 | 105 kDa
Confirmed reactivity	*Ananas comosus, Arabidopsis thaliana, Cenchrus ciliaris, Chloris gayana, Chromera velia, Cyanthobasis fruticulosa, Hordeum vulgare, Jatropha curcas, Kochia prostrata, Leptochloa fusca, Lupinus sp. , Megathyrsus maximus, Mesembryanthemum crystallinum, Nicotiana tabacum, Oryza sativa, Panicum antidotale, Panicum coloratum, Petrosimonia nigdeensis, Pinus strobus, Saccharum* spp. hybrid clone C91-301, *Salsola lanata, Salsola laricifolia,Salsola grandis, Salsola tragus Sorghum bicolor, Synechocystis PCC 6803, Phaeodactylum tricornutum (strain CCAP 1055/1), Pinus strobus, Thalassiosira weissfloggi, Zea mays, Zostera muelleri*
Predicted reactivity	*Brassica napus, Cucumis sativus (PEPC1, PEPC2, PEPC3), Flaveria bidentis, Flaveria trinervia, Glycine max, Lupinus albus, Mammillaria thornberi, Manihot esculenta, Manihot obovata, Medicago sativa, Morinda citrifolia, Nannochloropsis gaditana* CCMP526*, Nopalea gaumeri, Opuntia macbridei, Pachycereus pringlei, Saccharum spp, Solanum tuberosum, Spinacia oleracea, Streptanthus tortuosus, Pachycereus hollianus, Pisum sativa, Phaseolus vulgaris, Populus sp.,Triticum aestivum,* algae*, diatoms: Thalassiosira pseudonana, other species: Salmonella sp., Schiedea hookeri, Shigella sp. Schiedea sarmentosa, Streptanthus farnsworthianus, Tacinga saxatilis,Yersinia sp. Vibrio sp., Quercus* sp. Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known,
Selected references	To be added when available. Antibody released in May 2023.