

Product no **AS09 458-DL650****PEPC | phosphoenolpyruvate carboxylase, DyLight® 650 conjugated (40 µg)****Product information**

Immunogen	KLH-conjugated synthetic peptide well conserved PEPC1 and sequences from different plant species including <i>Arabidopsis thaliana</i> 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 <i>Zea mays</i> , the peptide is conserved in PEP1 and PEP4 isoforms.
Host	Rabbit
Clonality	Polyclonal
Purity	Immunogen affinity purified serum, in PBS pH 7.4, conjugated to DyLight® 650.
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® 650 has Amax = 652 nm, Emax = 672 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	<i>Ananas comosus</i> , <i>Arabidopsis thaliana</i> , <i>Synechocystis</i> PCC 6803, <i>Chromera velia</i> , <i>Hordeum vulgare</i> , <i>Jatropha curcas</i> , <i>Lupinus</i> sp., <i>Mesembryanthemum crystallinum</i> , <i>Nicotiana tabacum</i> , <i>Oryza sativa</i> , <i>Saccharum</i> spp, hybrid clone C91-301, <i>Salsola laricifolia</i> , <i>Zea mays</i> , <i>Synechocystis</i> sp., <i>Phaeodactylum tricornutum</i> (strain CCAP 1055/1), <i>Thalassiosira weissfloggi</i>
Predicted reactivity	<i>Brassica napus</i> , <i>Cucumis sativus</i> (PEPC1, PEPC2, PEPC3), <i>Flaveria bidentis</i> , <i>Flaveria trinervia</i> , <i>Glycine max</i> , <i>Lupinus albus</i> , <i>Mammillaria thornberi</i> , <i>Manihot esculenta</i> , <i>Manihot obovata</i> , <i>Medicago sativa</i> , <i>Morinda citrifolia</i> , <i>Nannochloropsis gaditana</i> CCMP526, <i>Nopalea gaumeri</i> , <i>Opuntia macbridei</i> , <i>Pachycereus pringlei</i> , <i>Saccharum</i> spp, <i>Solanum tuberosum</i> , <i>Spinacia oleracea</i> , <i>Streptanthus tortuosus</i> , <i>Pachycereus hollianus</i> , <i>Pisum sativa</i> , <i>Phaseolus vulgaris</i> , <i>Populus</i> sp., <i>Triticum aestivum</i> , algae, diatoms: <i>Thalassiosira pseudonana</i> , other species: <i>Salmonella</i> sp., <i>Schiedea hookeri</i> , <i>Shigella</i> sp. <i>Schiedea sarmentosa</i> , <i>Streptanthus farnsworthianus</i> , <i>Tacinga saxatilis</i> , <i>Yersinia</i> sp. <i>Vibrio</i> sp., <i>Quercus</i> 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.