

Product no **AS09 458-DL488****PEPC | phosphoenolpyruvate carboxylase, DyLight® 488 conjugated (40 µg)****Product information**

<b>Immunogen</b>	KLH-conjugated synthetic peptide well conserved PEPC1 and sequences from different plant species including <i>Arabidopsis thaliana</i> <a href="#">Q9MAH0</a> , <a href="#">At1g53310</a> (PEPC 1), <a href="#">Q84VW9</a> , <a href="#">At3g14940</a> (PEPC 3). The peptide chosen to elicit this antibody is also perfectly conserved in bacterial type of this enzyme <a href="#">NP_177043.2</a> (PEPC 4).  For <i>Zea mays</i> , the peptide is conserved in PEP1 and PEP4 isoforms.
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Immunogen affinity purified serum, in PBS pH 7.4, conjugated to DyLight® 488.
<b>Format</b>	Liquid in PBS pH 7.4.
<b>Quantity</b>	40 µg
<b>Storage</b>	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.
<b>Additional information</b>	DyLight® 488 Amax = 493 nm, Emax = 519 nm. DyLight® is a registered trademark of ThermoFisher Inc., and its subsidiaries.

**Application information**

<b>Recommended dilution</b>	To be determined by end user
<b>Expected   apparent MW</b>	110   105 kDa
<b>Confirmed reactivity</b>	<i>Ananas comosus</i> , <i>Arabidopsis thaliana</i> , <i>Cenchrus ciliaris</i> , <i>Chloris gayana</i> , <i>Chromera velia</i> , <i>Cyanthobasis fruticulosa</i> , <i>Hordeum vulgare</i> , <i>Jatropha curcas</i> , <i>Kochia prostrata</i> , <i>Leptochloa fusca</i> , <i>Lupinus sp.</i> , <i>Megathyrsus maximus</i> , <i>Mesembryanthemum crystallinum</i> , <i>Nicotiana tabacum</i> , <i>Oryza sativa</i> , <i>Panicum antidotale</i> , <i>Panicum coloratum</i> , <i>Petrosimonia nigdeensis</i> , <i>Pinus strobus</i> , <i>Saccharum</i> spp. hybrid clone C91-301, <i>Salsola lanata</i> , <i>Salsola laricifolia</i> , <i>Salsola grandis</i> , <i>Salsola tragus</i> , <i>Sorghum bicolor</i> , <i>Synechocystis PCC 6803</i> , <i>Phaeodactylum tricornutum</i> (strain CCAP 1055/1), <i>Pinus strobus</i> , <i>Thalassiosira weissfloggi</i> , <i>Zea mays</i> , <i>Zostera muelleri</i>
<b>Predicted reactivity</b>	<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 sp.</i> , <i>Triticum aestivum</i> , algae, diatoms: <i>Thalassiosira pseudonana</i> , other species: <i>Salmonella sp.</i> , <i>Schiedea hookeri</i> , <i>Shigella sp.</i> , <i>Schiedea sarmentosa</i> , <i>Streptanthus farnsworthianus</i> , <i>Tacinga saxatilis</i> , <i>Yersinia sp.</i> , <i>Vibrio sp.</i> , <i>Quercus sp.</i>  Species of your interest not listed? <a href="#">Contact us</a>
<b>Not reactive in</b>	No confirmed exceptions from predicted reactivity are currently known,
<b>Selected references</b>	To be added when available. Antibody released in May 2023.