

**Product no AS09 458-ALP****Anti-PEPC | phosphoenolpyruvate carboxylase, ALP-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)
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Immunogen affinity purified serum in PBS pH 7.4.
<b>Format</b>	Liquid
<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.

**Application information**

<b>Recommended dilution</b>	1 : 1000 (WB)
<b>Expected   apparent MW</b>	110   105 kDa
<b>Confirmed reactivity</b>	<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 sp.</i> , <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 sp.</i> , <i>Phaeodactylum tricornutum</i> (strain CCAP 1055/1), <i>Thalassiosira weissfloggi</i>
<b>Predicted reactivity</b>	<i>Cucumis sativus</i> (PEPC1,PEPC2,PEPC3), <i>Flaveria trinervia</i> , <i>Glycine max</i> , <i>Lupinus albus</i> , <i>Mammillaria thornberi</i> , <i>Manihot obovata</i> , <i>Medicago sativa</i> , <i>Morinda citrifolia</i> , <i>Nopalea gaumeri</i> , <i>Opuntia macbridei</i> , <i>Pachycereus pringlei</i> , <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>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> 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>Additional information</b>	Antibody can be also used following 2D gel electrophoresis