

Product no **AS09 458-ALP****Anti-PEPC | phosphoenolpyruvate carboxylase, ALP-conjugated (40 µg)****Product information**

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| <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**

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|-------------------------------|--|
| <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</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>  |
| <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</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. 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   |