

Product no **AS10 691****Anti-PDC | Pyruvate decarboxylase****Product information**

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| Immunogen | KLH-conjugated peptide derived from available PDC sequences including <i>Arabidopsis thaliana</i> , PDC1 UniProt: O82647 , TAIR: AT4G33070 and PDC2 UniProt: Q9FFT4 TAIR: AT5G54960 |
| Host | Rabbit |
| Clonality | Polyclonal |
| Purity | Serum |
| Format | Lyophilized |
| Quantity | 100 µl |
| Reconstitution | For reconstitution add 100 µl of sterile water |
| Storage | Store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube. |

Application information

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| Recommended dilution | 1 : 10 000 (WB) |
| Expected apparent MW | 65 65 kDa (<i>Arabidopsis thaliana</i>) |
| Confirmed reactivity | <i>Arabidopsis thaliana</i> , <i>Oryza sativa</i> , <i>Zymomonas mobilis</i> |
| Predicted reactivity | <i>Aegilops tauschii</i> , <i>Brassica napus</i> , <i>Chlamydomonas reinhardtii</i> , <i>Cocos nucifera</i> , <i>Dichanthelium oligosanthes</i> , <i>Fragaria ananassa</i> , <i>Hordeum vulgare</i> , <i>Glycine max</i> , <i>Nannochloropsis gaditana</i> , <i>Nicotiana tabacum</i> , <i>Panicum miliaceum</i> , <i>Phoenix dactylifera</i> , <i>Pisum sativum</i> , <i>Potamogeton distinctus</i> , <i>Saccharum officinarum</i> , <i>Solanum tuberosum</i> , <i>Sorghum bicolor</i> , <i>Ricinus communis</i> , <i>Rosa chinensis</i> , <i>Trifolium pratense</i> , <i>Zea mays</i> , <i>Vitis vinifera</i> Species of your interest not listed? Contact us |
| Not reactive in | No confirmed exceptions from predicted reactivity are currently known |
| Selected references | Ventura et al. (2020) . Arabidopsis phenotyping reveals the importance of alcohol dehydrogenase and pyruvate decarboxylase for aerobic plant growth. Sci Rep. 2020 Oct 7;10(1):16669. doi: 10.1038/s41598-020-73704-x. PMID: 33028901; PMCID: PMC7542448. Gil-Monreal et al. (2019) . ERF-VII transcription factors induce ethanol fermentation in response to amino acid biosynthesis-inhibiting herbicides. J Exp Bot. 2019 Aug 6. pii: erz355. doi: 10.1093/jxb/erz355. Giuntoli et al. (2014) . A trihelix DNA binding protein counterbalances hypoxia-responsive transcriptional activation in Arabidopsis. PLoS Biol. 2014 Sep 16;12(9):e1001950. doi: 10.1371/journal.pbio.1001950. eCollection 2014. |