

Product no **AS13 2754****CDPK | Calcium-dependent protein kinase isoforms (1,2,3,4,7,8,10,11,14,20,25,30,32)****Product information**

<b>Immunogen</b>	KLH-conjugated synthetic peptide conserved in isoform 1,2,3,4,7,8,10,11,14,20,25,30,32 of <i>Arabidopsis thaliana</i> CDPK kinases
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Immunogen affinity purified serum in PBS pH 7.4.
<b>Format</b>	Lyophilized
<b>Quantity</b>	50 µg
<b>Reconstitution</b>	For reconstitution add 50 µl of sterile water
<b>Storage</b>	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**

<b>Recommended dilution</b>	1 : 1000 (WB)
<b>Expected   apparent MW</b>	52-55 kDa
<b>Confirmed reactivity</b>	<i>Arabidopsis thaliana</i> , <i>Hordeum vulgare</i> , <i>Populus sp.</i> , <i>Triticum aestivum</i>
<b>Predicted reactivity</b>	<i>Fragaria ananassa</i> , <i>Malus domestica</i> , <i>Nicotiana attenuata</i> , <i>Oryza sativa</i> , <i>Vicia faba</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>	<a href="#">Kumar</a> et al. (2024). Characterization of putative calcium-dependent protein kinase-1 (TaCPK-1) gene: hubs in signalling and tolerance network of wheat under terminal heat. <i>Biotech</i> , Volume 14, article number 150. <a href="#">Siddiqui</a> et al. (2020). Melatonin and calcium function synergistically to promote the resilience through ROS metabolism under arsenic-induced stress. <i>Journal of Hazardous Materials</i> Volume 398, 5 November 2020, 122882 <a href="#">Ciesla</a> et al. (2016) A Role for Barley Calcium-Dependent Protein Kinase CPK2a in the Response to Drought. <i>Front Plant Sci.</i> 2016 Oct 25;7:1550.