

# Anti-Choline-phosphate cytidyltransferase 1 antibody

Catalog: PHY1425S

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	<i>Arabidopsis thaliana</i> increases cellular phosphatidylcholine (PC) content during cold acclimation by up-regulating PC biosynthesis. The <i>A. thaliana</i> CCT1 and CCT2 were known as CTP: phosphorylcholine cytidyltransferases, which regulate PC biosynthesis via the CDP–choline pathway.
<b>Synonyms:</b>	CCT1, ATCCT1, PHOSPHORYLCHOLINE CYTIDYLYLTRANSFERASE
<b>Immunogen:</b>	KLH-conjugated synthetic peptide (14 aa from Central section) derived from <i>Arabidopsis thaliana</i> CCT1 (AT2G32260).
<b>Form:</b>	Lyophilized
<b>Quantity:</b>	150 µg
<b>Purification:</b>	Serum Peptide affinity form antibody available upon request at <a href="mailto:info@phytoab.com">info@phytoab.com</a> .
<b>Reconstitution:</b>	Reconstitution with 150µl of sterile water. "Note: please spin tube briefly prior to opening it to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tube".
<b>Stability &amp; Storage:</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 6 months, -20 to -70°C under sterile conditions after reconstitution. 1 month, 2 to 8°C under sterile conditions after reconstitution.
<b>Shipping:</b>	The product is shipped at 4°C. Upon receipt, store it immediately at the temperature recommended above.

## Application Information

<b>Recommended Dilution:</b>	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
<b>Expected / apparent MW:</b>	38 kDa
<b>Confirmed Reactivity:</b>	<i>Arabidopsis thaliana</i>
<b>Predicted Reactivity:</b>	Among species analyzed, the sequence of the synthetic peptide used

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for immunization is 100% homologues with the sequence in *Medicago truncatula*, and 80-99% homologues with the sequence in *Glycine max*, *Brassica rapa*, *Gossypium raimondii*, *Populus trichocarpa*, *Nicotiana tabacum*, *Brassica napus*.

The sequence of the synthetic peptide used for immunization is 79% homologues with the sequence in CCT2 (AT4G15130).

For more species homologues information, please contact tech support at [tech@phytoab.com](mailto:tech@phytoab.com).