**Anti-KDEL-tailed cysteine endopeptidase CEP1, C-terminal antibody**

**Catalog:** PHY1678S

**Product Information**

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| **Description:** | Rabbit polyclonal antibody |
| **Background:** | CEP1 is a papain-like cysteine protease involved in tapetal programmed cell death and pollen development. CEP1 is expressed specifically in the tapetum from stages 5 to 11 of anther development. The CEP1 protein first appears as a proenzyme in precursor protease vesicles, and is then transported to the vacuole and transformed into the mature enzyme before rupture of the vacuole. |
| **Synonyms:** | CEP1, CYSTEINE ENDOPEPTIDASE 1 |
| **Immunogen:** | KLH-conjugated synthetic peptide (15 aa from C terminal section) derived from *Arabidopsis thaliana* CEP1 (AT5G50260). |
| **Form:** | Lyophilized |
| **Quantity:** | 150 µg |
| **Purification:** | Serum  Peptide affinity form antibody available upon request at [info@phytoab.com](mailto:info@phytoab.com). |
| **Reconstitution:** | Reconstitution with 150 µl 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". |
| **Stability & Storage:** | Use a manual defrost freezer and avoid repeated freeze-thaw cycles.  12 months from date of receipt, -20 to -70℃ as supplied.  6 months, -20 to -70℃ under sterile conditions after reconstitution.  1 month, 2 to 8℃ under sterile conditions after reconstitution. |
| **Shipping:** | The product is shipped at 4℃. Upon receipt, store it immediately at the temperature recommended above. |

**Application Information**

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| **Recommended Dilution:** | Western Blot (1:1000-1:2000)  Note: Optimal dilutions/concentrations should be determined by the end user. |
| **Expected / apparent MW:** | 41 kDa |
| **Confirmed Reactivity:** | Coming soon |
| **Predicted Reactivity:** | For more species homologues information, please contact tech support at [tech@phytoab.com](mailto:tech@phytoab.com). |