

# Anti-PLASTID TRANSCRIPTIONALLY ACTIVE 14 antibody

Catalog: PHY3654S

## Product Information

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| <b>Description:</b>             | Rabbit polyclonal antibody   |
| <b>Background:</b>              | In chloroplasts, transcription of plastid genes is mediated by two types of RNA polymerase: plastid-encoded RNA polymerase (PEP) and nuclearencoded RNA polymerase (NEP). Transcription in plastids is also mediated by a number of nuclear-encoded factors in addition to PEP and NEP. In the insoluble RNA polymerase preparation samples, a total of 18 components named as pTACs (pTAC1 to pTAC18) were identified. pTAC14 (AT4G20130) is one of the components associated with PEP complex. |
| <b>Synonyms:</b>                | pTAC14, PLASTID TRANSCRIPTIONALLY ACTIVE 14, TAC14   |
| <b>Immunogen:</b>               | KLH-conjugated synthetic peptide (16 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> pTAC14 (AT4G20130).  |
| <b>Form:</b>                    | Lyophilized  |
| <b>Quantity:</b>                | 150 µg   |
| <b>Purification:</b>            | Serum<br>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.<br>"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.<br>12 months from date of receipt, -20 to -70°C as supplied.<br>6 months, -20 to -70°C under sterile conditions after reconstitution.<br>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

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| <b>Recommended Dilution:</b> | Western Blot (1:1000-1:2000)<br>Note: Optimal dilutions/concentrations should be determined by the end user. |
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Research Use Only

**Expected / apparent MW:** 56 kDa

**Confirmed Reactivity:** Coming soon

**Predicted Reactivity:** Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in *Brassica napus*, *Brassica rapa*.

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