

Anti-PLASTID TRANSCRIPTIONALLY ACTIVE 12 antibody

Catalog: PHY3192S

Product Information

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| Description: | Rabbit polyclonal antibody |
| Background: | 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. pTAC12 (AT2G34640) is one of the components associated with PEP complex. |
| Synonyms: | pTAC12, HEMERA, HMR, PLASTID TRANSCRIPTIONALLY ACTIVE 12, TAC12 |
| Immunogen: | KLH-conjugated synthetic peptide (15 aa from Central section) derived from <i>Arabidopsis thaliana</i> pTAC12 (AT2G34640). |
| Form: | Lyophilized |
| Quantity: | 150 µg |
| Purification: | Serum Peptide affinity form antibody available upon request at 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°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. |
| Shipping: | The product is shipped at 4°C. 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 |
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Research Use Only

Expected / apparent MW:

end user.

61 kDa

Confirmed Reactivity:

Coming soon

Predicted Reactivity:

Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Brassica napus*, *Brassica rapa*, and 80-99% homologues with the sequence in *Solanum lycopersicum*, *Solanum tuberosum*, *Vitis vinifera*, *Cucumis sativus*, *Gossypium raimondii*, *Spinacia oleracea*, *Panicum virgatum*, *Oryza sativa*, *Setaria viridis*, *Medicago truncatula*, *Nicotiana tabacum*.

For more species homologues information, please contact tech support at tech@phytoab.com.