

Anti-PLASTID TRANSCRIPTIONALLY ACTIVE 9, C-terminal antibody

Catalog: PHY0396A

Product Information

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. pTAC9 (AT4G20010) is one of the components associated with PEP complex.
Synonyms:	pTAC9, ORGANELLAR SINGLE-STRANDED DNA BINDING PROTEIN 2, OSB2, PLASTID TRANSCRIPTIONALLY ACTIVE 9, PTAC9
Immunogen:	KLH-conjugated synthetic peptide (16 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> pTAC9 (AT4G20010).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	Reconstitution with 150 µl of sterile 1XPBS (PH=7.4). "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

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

Expected / apparent MW: 42 kDa

Predicted Reactivity: Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologous with the sequence in *Brassica rapa*, *Brassica napus* and 80-99% homologous with the sequence in *Glycine max*, *Hordeum vulgare*, *Medicago truncatula*.

The sequence of the synthetic peptide used for immunization is 81% (13/16) homologous with the sequence in OSB3 (AT5G44785).

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