Anti-9-cis-epoxycarotenoid dioxygenase NCED3, chloroplastic antibody

Catalog: PHY3564A

Product Information

Description:	Rabbit polyclonal antibody
Background:	NCED3 is 9-cis-epoxycarotenoid dioxygenase, a key enzyme in the biosynthesis of abscisic acid. Regulated in response to drought and salinity. Expressed in roots, flowers and seeds.
Synonyms:	NCED3, ATNCED3, NINE-CIS-EPOXYCAROTENOID DIOXYGENASE 3, SALT TOLERANT 1, SIS7, STO1, SUGAR INSENSITIVE 7
Immunogen:	KLH-conjugated synthetic peptide (14 aa from C terminal section) derived from *Arabidopsis thaliana* NCED3 (AT3G14440).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	Reconstitution with 150 µl of 0.01M sterile PBS. "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

Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	66 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Gossypium raimondii*, *Brassica napus*, *Brassica rapa*, and 80-99%

homologues with the sequence in *Medicago truncatula*, *Nicotiana tabacum*, *Cucumis sativus*, *Solanum lycopersicum*, *Spinacia oleracea*, *Glycine max*, *Populus trichocarpa*, *Vitis vinifera*, *Solanum tuberosum*.

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