Anti-Glyceraldehyde-3-phosphate dehydrogenase GAPCP1, chloroplastic, C-terminal antibody

Catalog: PHY3267A

Product Information

Description:	Rabbit polyclonal antibody
Background:	GAPCP-1 is one of the chloroplast/plastid localized GAPDH isoforms (GAPCp1/At1g79530 and GAPCp2/At1g16300). GAPCps are important for the synthesis of serine in roots.
Synonyms:	GAPCP-1, GLYCERALDEHYDE-3-PHOSPHATE DEHYDROGENASE OF PLASTID 1
Immunogen:	KLH-conjugated synthetic peptide (14 aa from C terminal section) derived from *Arabidopsis thaliana* GAPCP-1 (AT1G79530).
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℃ 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:	45 kDa

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 *Cucumis sativus*, *Populus trichocarpa*, *Oryza sativa*, *Triticum aestivum*, *Hordeum vulgare*, *Nicotiana tabacum*, *Gossypium raimondii*, *Medicago truncatula*, *Setaria viridis*, *Spinacia oleracea*. The sequence of the synthetic peptide used for immunization is 93% (13/14) homologues with the sequence in GAPCP-2 (AT1G16300). For more species homologues information, please contact tech support at tech@phytoab.com.