Anti-Outer envelope protein 80, chloroplastic antibody

Catalog: PHY0814S

Product Information

Description:	Rabbit polyclonal antibody
Background:	AtOEP80 is paralog to the chloroplastic protein translocation channel Toc75. *Oep80-1* and *oep80-2* mutations in this locus result in embryo lethality, demonstrating that AtOEP80 plays an essential role during early stages of plastid development.
Synonyms:	OEP80, ARABIDOPSIS THALIANA OUTER ENVELOPE PROTEIN OF 80 KDA, ATOEP80, EMB213, EMBRYO DEFECTIVE 213, OUTER ENVELOPE PROTEIN OF 80 KDA, TOC75-V, TRANSLOCON AT THE OUTER ENVELOPE MEMBRANE OF CHLOROPLASTS 75-V
Immunogen:	KLH-conjugated synthetic peptide (13 aa from Central section) derived from *Arabidopsis thaliana* OEP80 (AT5G19620).
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℃ 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:	80 kDa

Predicted Reactivity:

Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in *Populus trichocarpa*, *Gossypium raimondii*, *Brassica rapa*, *Brassica napus*, *Vitis vinifera*, *Physcomitrium patens*, *Sorghum bicolor*, *Zea mays*, *Panicum virgatum.*

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