Anti-NADPH-dependent alkenal/one oxidoreductase, chloroplastic antibody

Catalog: PHY2879A

Product Information

Description:	Rabbit polyclonal antibody
Background:	AOR is an alkenal/one oxidoreductase that acts on compounds with unsaturated alpha, beta-carbonyls. This protein appears to localize to the chloroplast where it likely helps to maintain the photosynthetic process by detoxifying reactive carbonyls formed during lipid peroxidation.
Synonyms:	AOR, ALKENAL/ONE OXIDOREDUCTASE
Immunogen:	KLH-conjugated synthetic peptide (16 aa from N terminal section) derived from *Arabidopsis thaliana* AOR (AT1G23740).
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:	41 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 *Glycine max*, *Oryza sativa*, *Solanum lycopersicum*, *Solanum tuberosum*, *Nicotiana tabacum*, *Brassica napus*, *Brassica rapa*, *Gossypium raimondii*, *Medicago truncatula*, *Hordeum vulgare*, *Triticum aestivum*, *Populus trichocarpa*, *Cucumis sativus*, *Vitis vinifera*, and 80-99% homologues with the sequence in *Spinacia oleracea*, *Sorghum bicolor*, *Panicum virgatum*, *Zea mays*, *Setaria viridis*.

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