Anti-Chloroplastic Cu/Zn superoxide dismutase antibody

Catalog: PHY0019A

Product Information

Description:	Rabbit polyclonal antibody
Background:	Chloroplastic copper/zinc superoxide dismutase (CSD2, AT2G28190) that can detoxify superoxide radicals.
Synonyms:	CSD2, Copper/zinc superoxide dismutase 2, Superoxide dismutase [Cu-Zn] 2, chloroplastic
Immunogen:	KLH-conjugated synthetic peptide (14 aa from C terminal section) derived from *Arabidopsis thaliana* CSD2 (AT2G28190)
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	Reconstitution with 150 µl of 0.01 M 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 (1:500-1:1000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected/apparent MW:	22 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 *Brassica napus, Brassica rapa,* and 80-99% homologues with the sequence in

Brassica napus, Solanum tuberosum, Panicum virgatum, Glycine max, Vitis vinifera, Triticum aestivum, Spinacia oleracea, Cucumis sativus, Gossypium raimondii, Nicotiana tabacum, Solanum lycopersicum, Populus trichocarpa, Oryza sativa, Zea mays, Medicago truncatula, Sorghum bicolor, Hordeum vulgare, Setaria viridis.

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