Anti-Superoxide dismutase [Cu-Zn] 1, C-terminal antibody

Catalog: PHY2872S

Product Information

Description:	Rabbit polyclonal antibody
Background:	CSD1 encodes a cytosolic copper/zinc superoxide dismutase that can detoxify superoxide radicals. Its expression is affected by miR398-directed mRNA cleavage. And CSD1 is regulated by biotic and abiotic stress. Activation of CSD1 in the cytoplasm involves both a CCS-dependent and -independent pathway.
Synonyms:	CSD1, ATSOD1, COPPER/ZINC SUPEROXIDE DISMUTASE 1, SOD1, SUPEROXIDE DISMUTASE 1
Immunogen:	KLH-conjugated synthetic peptide (16 aa from C terminal section) derived from *Arabidopsis thaliana* CSD1 (AT1G08830).
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 (1:1000-1:4000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	15 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*, *Oryza sativa*, *Zea mays*, *Gossypium raimondii*, *Physcomitrium patens*, *Vitis vinifera*, *Solanum tuberosum*, *Panicum virgatum*, *Sorghum bicolor*, *Populus trichocarpa*, *Cucumis sativus*, *Solanum lycopersicum*, *Medicago truncatula*, *Setaria viridis*, *Nicotiana tabacum*, *Glycine max*, and 80-99% homologues with the sequence in *Spinacia oleracea*.
For more species homologues information, please contact tech support at tech@phytoab.com.