

Anti-Cysteine desulfurase 1, chloroplastic antibody

Catalog: PHY2864A

Product Information

Description:	Rabbit polyclonal antibody
Background:	Chloroplastic NifS-like protein that can catalyze the conversion of cysteine into alanine and elemental sulfur (S(0)) and of selenocysteine into alanine and elemental Se (Se(0)). Overexpression enhances selenium tolerance and accumulation.
Synonyms:	CpNifS, ATPNIFS, ATNFS2, ATSUFs, CHLOROPLASTIC NIFS-LIKE CYSTEINE DESULFURASE, CPNIFS, SUFS
Immunogen:	KLH-conjugated synthetic peptide (16 aa from Central section) derived from <i>Arabidopsis thaliana</i> CpNifS (AT1G08490).
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°C as supplied. 6 months, -20 to -70°C under sterile conditions after reconstitution. 1 month, 2 to 8°C under sterile conditions after reconstitution.
Shipping:	The product is shipped at 4°C. 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:	50 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 <i>Solanum</i>

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lycopersicum, Nicotiana tabacum, Solanum tuberosum, Brassica rapa, Brassica napus, and 80-99% homologues with the sequence in Glycine max, Vitis vinifera, Triticum aestivum, Medicago truncatula, Panicum virgatum, Zea mays, Sorghum bicolor, Hordeum vulgare, Gossypium raimondii, Cucumis sativus, Oryza sativa, Setaria viridis, Physcomitrium patens, Spinacia oleracea.

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