

Anti-Cysteine desulfurase 1, chloroplastic antibody

Catalog: PHY2863A

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 (17 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:	<i>Arabidopsis thaliana</i>
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in <i>Glycine</i>

Research Use Only

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

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