

Anti-Photosynthetic NDH subunit of luminal location 5, chloroplastic, C-terminal antibody

Catalog: PHY7272S

Product Information

Description:	Rabbit polyclonal antibody
Background:	PNSL5 is a luminal cyclophilin with peptidyl-prolyl isomerase activity that is associated with the NAD(P)H dehydrogenase complex in stromal regions of the thylakoid membrane. It is likely to be important for the accumulation of the hydrophobic domain of the NAD(P)H dehydrogenase complex. This complex is associated with PSI and is responsible for the reduction of plastoquinone.
Synonyms:	PNSL5, ARABIDOPSIS THALIANA CYCLOPHILIN 20-2, ATCYP20-2, CYCLOPHILIN 20-2, CYP20-2, PHOTOSYNTHETIC NDH SUBCOMPLEX L 5
Immunogen:	KLH-conjugated synthetic peptide (16 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> PNSL5 (AT5G13120).
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°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:	28 kDa

Research Use Only

Predicted Reactivity:

Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in *Brassica rapa*, *Brassica napus*, *Gossypium raimondii*, *Nicotiana tabacum*, *Solanum lycopersicum*, *Solanum tuberosum*, *Vitis vinifera*, *Glycine max*, *Panicum virgatum*, *Sorghum bicolor*, *Populus trichocarpa*, *Oryza sativa Japonica Group*, *Zea mays*, *Spinacia oleracea*.

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