

Anti-Protein PHOTOSYSTEM I ASSEMBLY 2, chloroplastic, C-terminal antibody

Catalog: PHY3281S

Product Information

Description:	Rabbit polyclonal antibody
Background:	PSA2 is a DnaJ/Hsp40 cysteine-rich domain superfamily protein, which involved in female gametophyte development. PSA2 harbors a conserved domain found in DnaJ chaperones where it has been shown to form a zinc finger and to have protein-disulfide isomerase activity. It is required for embryo sac development, the accumulation of photosystem I (PSI) during plant development, and chloroplast development.
Synonyms:	PSA2, EDA3, EMBRYO SAC DEVELOPMENT ARREST 3
Immunogen:	KLH-conjugated synthetic peptide (15 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> PSA2 (AT2G34860).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Serum Peptide affinity form antibody available upon request at info@phytoab.com .
Reconstitution:	Reconstitution with 150µl 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:	20 kDa

Research Use Only

Confirmed Reactivity:

Coming soon

Predicted Reactivity:

Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in *Brassica napus*, *Brassica rapa*, *Triticum aestivum*, *Hordeum vulgare*, *Vitis vinifera*, *Populus trichocarpa*, *Cucumis sativus*, *Solanum tuberosum*, *Solanum lycopersicum*, *Nicotiana tabacum*, *Glycine max*.

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