

Anti-Protein LOW PSII ACCUMULATION 3, chloroplastic antibody

Catalog: PHY2617S

Product Information

Description:	Rabbit polyclonal antibody
Background:	Photosystem II (PSII) is a multisubunit membrane protein complex that is assembled in a sequence of steps. Low PSII Accumulation 3 (LPA3) is required for the assembly of the CP43 subunit in PSII complexes in <i>Arabidopsis</i> . It interacts with LPA2, a previously identified PSII CP43 assembly factor, and a double mutation of <i>LPA2</i> and <i>LPA3</i> is more deleterious for assembly than either single mutation, resulting in a seedling-lethal phenotype.
Synonyms:	LPA3, LOW PSII ACCUMULATION 3
Immunogen:	KLH-conjugated synthetic peptide (17 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> LPA3 (AT1G73060).
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 (1:1000-1:5000) Note: Optimal dilutions/concentrations should be determined by the end user.
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Research Use Only

Expected / apparent MW: 40 kDa

Predicted Reactivity: Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Cucumis sativus*, *Populus trichocarpa*, and 80-99% homologues with the sequence in *Gossypium raimondii*, *Vitis vinifera*, *Brassica napus*, *Brassica rapa*, *Spinacia oleracea*, *Glycine max*, *Zea mays*, *Hordeum vulgare*, *Triticum aestivum*, *Panicum virgatum*, *Medicago truncatula*, *Physcomitrium patens*, *Solanum tuberosum*, *Nicotiana tabacum*, *Solanum lycopersicum*, *Setaria viridis*, *Sorghum bicolor*, *Oryza sativa*.

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