# Anti-Photosystem I P700 chlorophyll a apoprotein A1 antibody

**Catalog:** PHY5282S

## Product Information

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| **Description:** | Rabbit polyclonal antibody |
| **Background:** | PsaA and PsaB bind P700, the primary electron donor of photosystem I (PSI), as well as the electron acceptors A0, A1 and FX. |
| **Synonyms:** | PsaA |
| **Immunogen:** | KLH-conjugated synthetic peptide (19 aa from C terminal section) derived from *Synechocystis sp.* PCC 6803 PsaA (slr1834). |
| **Form:** | Lyophilized |
| **Quantity:** | 150 µg |
| **Purification:** | Serum<br>Peptide affinity form antibody available upon request at info@phytoab.com. |
| **Reconstitution:** | Reconstitution with 150 µl of sterile water.<br>"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.<br>12 months from date of receipt, -20 to -70℃ as supplied.<br>6 months, -20 to -70℃ under sterile conditions after reconstitution.<br>1 month, 2 to 8℃ under sterile conditions after reconstitution. |
| **Shipping:** | The product is shipped at 4℃. Upon receipt, store it immediately at the temperature recommended above. |

## Application Information

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| **Recommended Dilution:** | Western Blot (1:1000-1:2000)<br>Note: Optimal dilutions/concentrations should be determined by the end user. |
| **Expected / apparent MW:** | 83 kDa |
| **Predicted Reactivity:** | Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in *Brassica rapa*, *Medicago truncatula*, *Vitis vinifera*, *Brassica napus*, |

*Solanum tuberosum*, *Spinacia oleracea*, *Glycine max*, *Oryza sativa*, *Chlamydomonas reinhardtii*, *Zea mays*, *Arabidopsis thaliana*, *Panicum virgatum*, *Sorghum bicolor*, *Populus trichocarpa*, *Hordeum vulgare*, *Cucumis sativus*, *Gossypium raimondii*, *Setaria viridis*, *Triticum aestivum*, *Nicotiana tabacum*, *Solanum lycopersicum*, *Zea mays*.

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