

# Anti-D2 subunit of Photosystem II, DE-loop antibody

Catalog: PHY0364S

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	The D1/D2 (PsbA/PsbD) reaction center heterodimer binds P680, the primary electron donor of PSII as well as several subsequent electron acceptors. D2 is needed for assembly of a stable PSII complex.
<b>Synonyms:</b>	PsbD, D2
<b>Immunogen:</b>	KLH-conjugated synthetic peptide (15 aa from Central section) derived from <i>Arabidopsis thaliana</i> DE-loop of PsbD (ATCG00270).
<b>Form:</b>	Lyophilized
<b>Quantity:</b>	150 µg
<b>Purification:</b>	Serum Peptide affinity form antibody available upon request at <a href="mailto:info@phytoab.com">info@phytoab.com</a> .
<b>Reconstitution:</b>	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".
<b>Stability &amp; Storage:</b>	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.
<b>Shipping:</b>	The product is shipped at 4°C. Upon receipt, store it immediately at the temperature recommended above.

## Application Information

<b>Recommended Dilution:</b>	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
<b>Expected/apparent MW:</b>	40 kDa
<b>Predicted Reactivity:</b>	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in <i>Brassica napus</i> , <i>Medicago truncatula</i> , <i>Gossypium raimondii</i> , <i>Vitis vinifera</i> , <i>Spinacia oleracea</i> , <i>Glycine max</i> , <i>Solanum tuberosum</i> , <i>Oryza sativa</i> ,

Research Use Only

*Triticum aestivum, Sorghum bicolor, Cucumis sativus, Hordeum vulgare, Nicotiana tabacum, Populus trichocarpa, Setaria viridis, Zea mays, Solanum lycopersicum, Chlamydomonas reinhardtii, Panicum virgatum.*

For more species homologues information, please contact tech support at [tech@phytoab.com](mailto:tech@phytoab.com).