

Anti-D1 subunit of Photosystem II, DE-loop antibody

Catalog: PHY5272A

Product Information

Description:	Rabbit polyclonal antibody
Background:	Photosystem II (PSII) is a light-driven water:plastoquinone oxidoreductase that uses light energy to abstract electrons from H ₂ O, generating O ₂ and a proton gradient subsequently used for ATP formation. It consists of a core antenna complex that captures photons, and an electron transfer chain that converts photonic excitation into a charge separation.
Synonyms:	PsbA
Immunogen:	KLH-conjugated synthetic peptide (15 aa from Central section) derived from <i>Synechocystis sp.</i> PCC 6803 PsbA (slr1311).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	Reconstitution with 150 µl of sterile 1XPBS (PH=7.4). "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.
Expected / apparent MW:	40 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in

Research Use Only

*Triticum aestivum, Hordeum vulgare, Zea mays, Panicum virgatum,
Setaria viridis.*

For homologues with other species especially algae, please contact
tech support at tech@phytoab.com.