

Anti-PsbQ subunit of oxygen evolving complex of Photosystem II antibody

Catalog: PHY0081S

Product Information

Description:	Rabbit polyclonal antibody
Background:	PsbQ is a 16 kD extrinsic subunit of the oxygen evolving complex of Photosystem II. PsbQ participates in the regulation of oxygen evolution and stabilizes the oxygen evolving complex of PSII. It is required for photoautotrophic growth under conditions of low light.
Synonyms:	PsbQ, OEC 16 kDa subunit, OEE3, PSBQA, 16 kDa subunit of oxygen evolving system of photosystem II, Oxygen-evolving enhancer protein 3-1, chloroplastic
Immunogen:	KLH-conjugated synthetic peptide (17 aa from Central section) derived from <i>Arabidopsis thaliana</i> PsbQ (AT4G21280).
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.
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Research Use Only

Expected/apparent MW: 24 kDa

Predicted Reactivity: Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in *Populus trichocarpa*, *Brassica napus*, *Brassica rapa*, *Sorghum bicolor*, *Zea mays*, *Physcomitrium patens*, *Nicotiana tabacum*, *Gossypium raimondii*, *Solanum tuberosum*, *Solanum lycopersicum*, *Setaria viridis*, *Triticum aestivum*, *Hordeum vulgare*, *Panicum virgatum*.

The sequence of the synthetic peptide used for immunization is 88% (15 / 17) homologues with the sequence in PSBQ-2 (AT4G05180). For more species homologues information, please contact tech support at tech@phytoab.com.