

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

Catalog: PHY1236S

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 (15 aa from C terminal 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 *Gossypium raimondii*, *Setaria viridis*, *Vitis vinifera*, *Oryza sativa*, *Populus trichocarpa*, *Brassica rapa*, *Glycine max*, *Sorghum bicolor*, *Zea mays*, *Panicum virgatum*, *Medicago truncatula*, *Spinacia oleracea*, *Brassica napus*.

The sequence of the synthetic peptide used for immunization is 80% (12 / 15) homologues with the sequence in PSBQ-2 (AT4G05180).

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