

Anti-Psbl subunit of Photosystem II antibody

Catalog: PHY0132A

Product Information

Description:	Rabbit polyclonal antibody
Background:	Psbl is one of the components of the core complex of Photosystem II. Psbl is associated with the PSII reaction center protein D1 and is required for PSII stability and/or assembly. The molecular mass of Psbl is about 4.8 kDa.
Synonyms:	Psbl, PHOTOSYSTEM II REACTION CENTER PROTEIN I
Immunogen:	KLH-conjugated synthetic peptide of Psbl derived from <i>Arabidopsis thaliana</i> ATCG00080.
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	Reconstitution with 150 µl of 0.01 M sterile PBS. "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

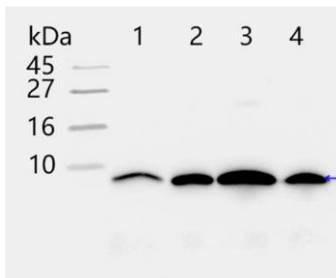
Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected/apparent MW:	4.2 kDa
Confirmed Reactivity:	<i>Arabidopsis thaliana</i> , <i>Chlamydomonas reinhardtii</i>
Predicted Reactivity:	Among 25 analyzed species, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in <i>Medicago truncatula</i> , <i>Triticum aestivum</i> , <i>Nicotiana tabacum</i> , and

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80-99% homologues with the sequence in *Oryza sativa Japonica* Group, *Hordeum vulgare*, *Physcomitrella patens*, *Chlamydomonas reinhardtii*.

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

Application Example



1-3 is thylakoid membrane protein from WT of *Arabidopsis thaliana* leaf containing 0.01 μg , 0.025 μg , and 0.05 μg of chlorophyll, respectively.

4 is thylakoid membrane protein from PSII mutant of *Arabidopsis thaliana* leaf containing 0.05 μg of chlorophyll.

Electrophoresis: Tricine-SDS-PAGE

Transfer: blotting to NC (nitrocellulose) membrane for 1 h.

Blocking: 5% skim milk at RT or 4°C for 1 h.

Primary antibody: 1:2000 dilution overnight at 4°C.

Secondary antibody: 1:20000 dilution using Goat Anti-Rabbit IgG H&L (HRP) (Cat# PHY6000).

Detection: using chemiluminescence substrate and image were captured with CCD camera.