

## Anti-D2 subunit of Photosystem II, N-terminal antibody

Catalog: PHY0090S

## **Product Information**

**Description:** Rabbit polyclonal antibody

**Background:** 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.

Synonyms: PsbD

**Immunogen:** KLH-conjugated synthetic peptide derived from N-terminal of PsbD in

Arabidopsis thaliana ATCG00270.

Form: Lyophilized

Quantity:150 μgPurification:Serum

**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 &**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

Storage: 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:** 39.5 / 33 kDa

Confirmed Reactivity: Arabidopsis thaliana

Predicted Reactivity: Among 25 analyzed species, the sequence of the synthetic peptide

used for immunization is 100% homologues with the sequence in

Oryza sativa Indica Group, Glycine max, Solanum tuberosum,

Cucumis sativus, Sorghum bicolor, Nicotiana tabacum, Setaria

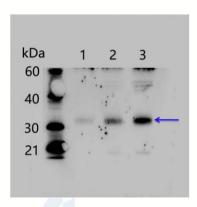
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viridis, Populus trichocarpa, Vitis vinifera, Medicago truncatula, and 80-99% homologues with the sequence in Spinacia oleracea, Triticum aestivum, Hordeum vulgare subsp. Vulgare, Physcomitrella patens.

For more species homologues information, please contact tech support at <a href="tech@phytoab.com">tech@phytoab.com</a>.

## **Application Example**



1-3 is thylakoid membrane protein from *Arabidopsis thaliana* leaf containing 0.1 µg, 0.25 µg, and 0.5 µg of chlorophyll, respectively.

Electrophoresis: 15% SDS-Urea-PAGE

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

**Blocking:** 5% skim milk at RT or  $4^{\circ}$ C for 1 h.

**Primary antibody:** 1:2000 dilution overnight at 4℃.

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.