

PsbA | D1 protein of PSII, phosphorylated

Cat PA01543

Size 50 µg

Host

Rabbit

Clonality

Polyclonal

Confirmed reactivity

Arabidopsis thaliana, Chlamydomonas reinhardtii, Hordeum vulgare, Zea mays

Immunogen

KLH-conjugated synthetic peptide derived from available plant PsbA sequences with phosphorylated (T), including Arabidopsis thaliana UniProt: P83755, TAIR:AtCg00020, Oryza sativa P0C434 and other higher plant PsbA sequences

Host

Rabbit

Clonality

Polyclonal

Purity

Immunogen affinity purified serum in PBS pH 7.4.

Format

Lyophilized

Reconstitution

For reconstitution add 50 µl of sterile water

Storage

Store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

Application

Western blot (WB)

Recommended dilution

1 : 10 000 (WB)

Expected | apparent MW

38 | 28-30 kDa

Confirmed reactivity

Arabidopsis thaliana, Chlamydomonas reinhardtii, Hordeum vulgare, Zea mays

Predicted reactivity

Dictos, Conifers, Monocots

Not reactive in

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Cyanobacteria

Additional information

This antibody is detecting phosphorylated PsbA protein. Antibodies are purified on a non-phosphorylated peptide.

Description

The psbA gene has been cloned from many plants, green algae and cyanobacteria. The psbA gene is located in the chloroplast genome and encodes the D1 protein, a core component of photosystem II. PsbA/D1 cycles rapidly under the light of all oxygen-containing photoorganisms. Tracking PsbA pools with Global PsbA antibodies can reveal the functional content of photosystem II in a wide range of samples. Alias :32kda thylakoid membrane protein, Photosystem II protein D1.

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