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## Product Datasheet

### Anti-PsbA | D1 protein of PSII, C-terminal, HRP-conjugated (), Rabbit, Polyclonal AGR-AS05-084A-HRP

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|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article Name               | Anti-PsbA   D1 protein of PSII, C-terminal, HRP-conjugated (), Rabbit, Polyclonal                                                                                                                                                                                                                                            |
| Biozol Catalog Number      | AGR-AS05-084A-HRP                                                                                                                                                                                                                                                                                                            |
| Supplier Catalog Number    | AS05-084A-HRP                                                                                                                                                                                                                                                                                                                |
| Alternative Catalog Number | AGR-AS05-084A-HRP                                                                                                                                                                                                                                                                                                            |
| Manufacturer               | Agrisera                                                                                                                                                                                                                                                                                                                     |
| Host                       | Rabbit                                                                                                                                                                                                                                                                                                                       |
| Category                   | Antikörper                                                                                                                                                                                                                                                                                                                   |
| Application                | WB                                                                                                                                                                                                                                                                                                                           |
| Species Reactivity         | A. thaliana, Bacteria, Plant                                                                                                                                                                                                                                                                                                 |
| Immunogen                  | KLH-conjugated synthetic peptide derived from available plant, algal and cyanobacterial PsbA sequences, including Arabidopsis thaliana UniProt: A4QJR4, TAIR: AtCg00020 , Oryza sativa P0C434, Populus alba Q14FH6, Physcomitrella patens Q6YXN7, Chlamydomonas reinhardtii P07753, Synechocystis sp. P14660 and many others |
| Product Description        | The psbA gene has been cloned from many species of plants, green algae, and cyanobacteria. The psbA gene is located in the chloroplast genome and encodes for the D1 protein, a core component of Photosystem II. PsbA/D1 is rapidly cycled under illumina...                                                                |
| Clonality                  | Polyclonal                                                                                                                                                                                                                                                                                                                   |

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| Molecular Weight   | 38   28-30 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| NCBI               | <a href="#">844802</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| UniProt            | <a href="#">P83755</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Purity             | Immunogen affinity purified serum in PBS pH 7.4, conjugated to HRP.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Form               | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Antibody Type      | Polyclonal Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Application Dilute | 1 : 15 000 (WB)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Application Notes  | <p>The antibody is appropriate for detecting both, 24 kDa or the 10 kDa C-terminal fragments, whichever is generated under given treatment conditions. In our analysis we have seen both, ca. 24 kDa and ca. 10 kDa fragments from different samples, depending on treatments and isolation procedures. Rabbit anti-PsbA antibody can detect more than one band of PsbA protein, e.g. precursor and mature protein as compare to the hen anti-PsbA antibodies AS01 016. This antibody will detect the phosphorylated form of D1 as an alternate band to the main band on a high resolution gel. The antibody will bind to cross-linked proteins: D1/D2, D1/cyt b559, D1/CP43.</p> |