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Product Datasheet

Anti-PsbA | D1 protein of PSII, C-terminal, ALP-conjugated (40 μ g), Rabbit, Polyclonal AGR-AS05-084A-ALP

Article Name	Anti-PsbA D1 protein of PSII, C-terminal, ALP-conjugated (40 μ g), Rabbit, Polyclonal
Biozol Catalog Number	AGR-AS05-084A-ALP
Supplier Catalog Number	AS05-084A-ALP
Alternative Catalog Number	AGR-AS05-084A-ALP
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 <i>Arabidopsis thaliana</i> UniProt: A4QJR4, TAIR: AtCg00020, <i>Oryza sativa</i> P0C434, <i>Populus alba</i> Q14FH6, <i>Physcomitrella patens</i> Q6YXN7, <i>Chlamydomonas reinhardtii</i> P07753, <i>Synechocystis</i> sp. P14660 and many others
Conjugation	alp
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
Molecular Weight	38 28-30 kDa
NCBI	844802
UniProt	P83755
Purity	Immunogen affinity purified serum in PBS pH 7.4, conjugated to ALP.
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 chicken 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>