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Product Datasheet

Anti-PsbA | D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker), Rabbit, Polyclonal AGR-AS05-084

Article Name	Anti-PsbA D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker), Rabbit, Polyclonal
Biozol Catalog Number	AGR-AS05-084
Supplier Catalog Number	AS05-084
Alternative Catalog Number	AGR-AS05-084
Manufacturer	Agrisera
Host	Rabbit
Category	Antikörper
Application	BN-PAGE, IF, WB
Species Reactivity	A. thaliana, Bacteria, Other, 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

Molecular Weight	38 28-30 kDa
NCBI	844802
UniProt	P83755
Purity	Serum
Form	Lyophilized
Antibody Type	Polyclonal Antibody
Application Dilute	1: 500 (IF), 1: 200 (IG), 1 : 10 000 (WB)
Application Notes	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. The peptide is conserved in cyanobacterial D1:1 and D1,2.