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## Product Datasheet

### Anti-PsbA | D1 protein of PSII, C-terminal (chicken), Gallus, Polyclonal AGR-AS01-016

Article Name	Anti-PsbA   D1 protein of PSII, C-terminal (chicken), Gallus, Polyclonal
Biozol Catalog Number	AGR-AS01-016
Supplier Catalog Number	AS01-016
Alternative Catalog Number	AGR-AS01-016
Manufacturer	Agrisera
Host	Gallus
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
Product Description	The PsbA (D1) protein of Photosystem II is rapidly cycled under illumination in all oxygenic photobionts. Disruption of PsbA cycling or losses of PsbA pools are central to photoinhibition of photosynthesis in cyanobacteria, algae and plants under a w...
Clonality	Polyclonal
Molecular Weight	38   28-30 kDa
NCBI	<a href="#">844802</a>

UniProt	<a href="#">P83755</a>
Purity	Purified, total IgY (chicken egg yolk immunoglobulin) in PBS pH 8. Contains 0.02 % sodium azide.
Form	Liquid
Antibody Type	Polyclonal Antibody
Application Dilute	1 :4000-1 : 8000, 5 µg of total protein, (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. This antibody will also detect the phosphorylated form of D1 as an alternate band to the main band on a high resolution gel.