

# Agrisera

This product is for research use only (not for diagnostic or therapeutic use)

contact: [support@agrisera.com](mailto:support@agrisera.com)

Agrisera AB | Box 57 | SE-91121 Vännäs | Sweden | +46 (0)935 33 000 | [www.agrisera.com](http://www.agrisera.com)

Product no **AS05 060**

**PsbW | Small subunit W of PSII**

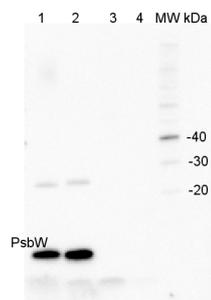
## Product information

<b>Immunogen</b>	KLH-conjugated synthetic peptide derived from PsbW protein sequence of <i>Arabidopsis thaliana</i> Uniprot: <a href="#">Q39194</a> , TAIR: <a href="#">At2g30570</a>
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Serum
<b>Format</b>	Lyophilized
<b>Quantity</b>	100 µl
<b>Reconstitution</b>	For reconstitution add 100 µl of sterile water.
<b>Storage</b>	Store lyophilized/reconstituted at -20 °C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.

## Application information

<b>Recommended dilution</b>	1 : 15 000 (WB)
<b>Expected   apparent MW</b>	13.6   6.1 kDa
<b>Confirmed reactivity</b>	<i>Arabidopsis thaliana</i> , <i>Hordeum vulgare</i> , <i>Nicotiana tabacum</i> , <i>Spinacia oleracea</i>
<b>Predicted reactivity</b>	<i>Oryza sativa</i> , <i>Physcomitrella patens</i> , <i>Zea mays</i> , <i>Vitis vinifera</i> Species of your interest not listed? <a href="#">Contact us</a>
<b>Not reactive in</b>	<i>Chlamydomonas reinhardtii</i> , <i>Synechococcus</i> sp. PCC 7942
<b>Selected references</b>	<a href="#">Hackett</a> et al. (2017). An Organelle RNA Recognition Motif Protein Is Required for Photosystem II Subunit psbF Transcript Editing. <i>Plant Physiol.</i> 2017 Apr;173(4):2278-2293. doi: 10.1104/pp.16.01623.

## Application example



**2 µg of total protein** from (1) *Arabidopsis thaliana* leaf, (2) *Hordeum vulgare* leaf, (3) *Chlamydomonas reinhardtii* total cell, (4) *Synechococcus* sp. 7942 total cell were all extracted with PEB ([AS08 300](#)) and separated on **4-12%** NuPage (Invitrogen) **LDS-PAGE** and blotted 1h to **PVDF**. Blots were blocked immediately following transfer in 2% blocking reagent in 20 mM Tris, 137 mM sodium chloride pH 7.6 with 0.1% (v/v) Tween-20 (TBS-T) for 1h at room temperature with agitation. Blots were incubated in the primary antibody at a dilution of 1: 50 000 for 1h at room temperature with agitation. The antibody solution was decanted and the blot was rinsed briefly twice, then washed once for 15 min and 3 times for 5 min in TBS-T at room temperature with agitation. Blots were incubated in secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated) diluted to 1:50 000 in 2% blocking solution for 1h at room temperature with agitation. The blots were washed as above and developed

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for 5 min with ECL Advance detection reagent according to the manufacturers instructions. Images of the blots were obtained using a CCD imager (FluorSMax, Bio-Rad) and Quantity One software (Bio-Rad). Exposure time was 1 second.