

Product no **AS10 692****Anti-Psbl | Small subunit I of PSII (cyanobacterial)****Product information**

<b>Immunogen</b>	KLH-conjugated synthetic peptide derived from <i>Synechocystis</i> sp. PCC 6803 Psbl sequence UniProt: <a href="#">Q54697</a>
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Serum
<b>Format</b>	Lyophilized
<b>Quantity</b>	200 µl
<b>Reconstitution</b>	For reconstitution add 200 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 the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

**Application information**

<b>Recommended dilution</b>	1 : 5000-1 : 10 000 (WB)
<b>Expected   apparent MW</b>	4.3 kDa
<b>Confirmed reactivity</b>	<i>Synechocystis</i> sp. PCC 6803
<b>Predicted reactivity</b>	Cyanobacteria Species of your interest not listed? <a href="#">Contact us</a>
<b>Not reactive in</b>	No confirmed exceptions from predicted reactivity are currently known
<b>Additional information</b>	Loads higher than 0,5 µg of chlorophyll per well are not recommended
<b>Selected references</b>	<a href="#">Dobakova et. al (2007)</a> . Role of the Psbl Protein in Photosystem II Assembly and Repair in the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803 <i>Plant Physiol</i> 145:1681-1691.

**Application example**

Membrane fraction (0.5 µg chl), prepared from *Synechocystis* sp. PCC 6803, was separated on 12% SDS-PAGE and blotted in 2 hours at RT to PVDF membrane. Membrane was blocked for 1h using 0.2% tween 20 in TBS, probed with anti-Psbl (1:10 000) antibody in TTBS overnight at 8°C and secondary anti-rabbit in TTBS (1:10000, 1h, room temperature). Blot was developed for 5 min in West pico substrate and image of the blot was obtained using Fuji LAS 4000.

Courtesy Dr. Roman Sobotka, Laboratory of Photosynthesis, Trebon, Czech Republic