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Product no AS10 692

PsbI | Small subunit I of PSII (cyanobacterial)

Product information

Immunogen	KLH-conjugated synthetic peptide derived from *Synechocystis* sp. PCC 6803 PsbI sequence UniProt: Q54697
Host	Rabbit
Clonality	Polyclonal
Purity	Serum
Format	Lyophilized
Quantity	200 µl
Reconstitution	For reconstitution add 200 µl of sterile water
Storage	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

Recommended dilution	1 : 5000-1 : 10 000 (WB)
Expected | apparent MW	4.3 kDa
Confirmed reactivity	*Synechocystis* sp. PCC 6803
Predicted reactivity	Cyanobacteria Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Additional information	Loads higher than 0,5 µg of chlorophyll per well are not recommended
Selected references	Dobakova et. al (2007). Role of the PsbI Protein inPhotosystem II Assembly and Repair in the Cyanobacterium Synechocystis sp. PCC 6803 Plant Physiol 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-PsbI (1:10 000) antibody in TTBS overnight at 8ºC 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