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

Product no AS10 682

PsbP-like protein (sll1418) | cyanobacterial

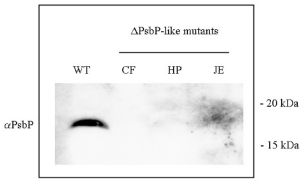
Product information

Immunogen	KLH-conjugated synthetic peptide derived from PsbP -like protein of Synechocystis sp. PCC 6803, UniProt: P73952
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 : 2000 (WB)
Expected | apparent MW	20,7 | 17 kDa
Confirmed reactivity	*Synechocystis* sp. PCC 6803
Predicted reactivity	*Anabaena variabilis, Arthrospira maxima, Lyngbya* sp. PCC 8106*, Microcoleus chthonoplastes, Ostreococcus lucimarinus, Trichodesmium erythraeum,* Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Selected references	Gandini et al. (2017). The transporter SynPAM71 is located in the plasma membrane and thylakoids, and mediates manganese tolerance in Synechocystis PCC6803. New Phytol. 2017 Mar 20. doi: 10.1111/nph.14526. Sveshnikov et al. (2007) The PsbP-like protein (sll1418) of Synechocystis sp. PCC 6803 stabilises the donor side of Photosystem II, Photosynth. Res. 93, 101-109. Ishikawa et al. . (2005) Functional analysis of the PsbP-like protein (sll1418) in Synechocystis sp. PCC 6803, Photosynth. Res. 84, 257-262.

Application example



0.25 µg of chlorophyl a/lane from *Synechocystis* sp. PCC 6802 wilde type and PsbP-like deletion mutants were separated on 12.5 % SDS-PAGE and blotted 1h to nitrocellulose. Filters were blocked 1h with 2% low-fat milk powder in TBS-T (0.1% TWEEN 20) and probed with anti-PsbP-like antibody (AS10 682, 1:2 000, 1h) and secondary anti-rabbit (1:20000, 1 h) antibody (HRP conjugated) in TBS-T containing 2% low fat milk powder. Antibody incubations were followed by washings in TBS-T. All steps were performed at RT with agitation. Blots were developed for 5 min with ECL detection reagent according the manufacturers instructions. Exposure time was 15 seconds.

Courtesy Dr. Sveshnikov