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Product no AS08 344

Anti-slr1641 | ATP-dependent chaperone clpB

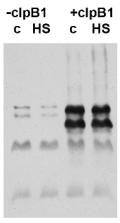
Product information

Immunogen	recombinant clpB1 protein, derived from *Synechocystis* PCC 6803 strain slr1641 sequence; protein has an internal translation site. The nomenclature used is reverse of what is mentioned in the cyanobase.
Host	Rabbit
Clonality	Polyclonal
Purity	Serum
Format	Lyophilized
Quantity	100 µl
Reconstitution	For reconstitution add 100 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 : 3000 (WB)
Expected | apparent MW	98.1 | 85.4 and 105 | 95 kDa for *Synechocystis*
Confirmed reactivity	*Synechocystis* PCC 6803, *Solanum lycopersicum*
Predicted reactivity	Cyanobacteria, *Francisella sp.* Species of your interest not listed? Contact us
Not reactive in	*Chlamydomonas reinhardtii*
Selected references	Gonzalez-Esquer and Vermaas (2013). ClpB1 overproduction in Synechocystis sp. strain PCC 6803 increases tolerance to rapid heat shock. Appl Environ Microbiol. 2013 Oct;79(20):6220-7. doi: 10.1128/AEM.01661-13. Epub 2013 Aug 2.

Application example



ClpB1 slr1641

10 µg of total protein from *Synechocystis* PCC 6803 wild type (+ClpB1) and slr1641 deletion mutant, control (C) and heat shocked samples (HS) was separated on 8% PAA gel and blotted on nitrocellulose membrane . Filters were blocked (1h), incubated with 1: 3000 anti-ClpB1 antibodies (2h) followed by incubation with 1: 2500 secondary anti-rabbit (1h) coupled to HRP and visualization with chemiluminescent detection reagent.

Courtesy of Dr. Elizabeth Vierling, University of Massachusetts, USA