Agrisera
Part of Olink® Group

This product is **for research use only** (not for diagnostic or therapeutic use) **contact: support@agrisera.com**

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

Product no AS10 688

HCP | Hyper conserved protein

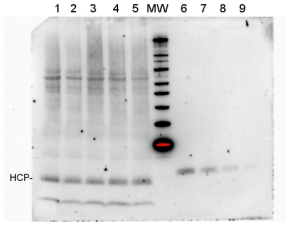
Product information

Immunogen	*Synechococcus* WH8102 recombinant HCP
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 : 1000 (WB)
Expected | apparent MW	7 kDa
Confirmed reactivity	*Prochlorococcus* MIT 9313
Predicted reactivity	Cyanobacteria Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Selected references	Whidden et al. (2014). Quantitative and functional characterization of the hyper-conserved protein of prochlorococcus and marine synechococcus. PLoS One. 2014 Oct 31;9(10):e109327. doi: 10.1371/journal.pone.0109327. eCollection 2014.

Application example



7ug of of total protein extract from *Prochlorococcus* MIT 9313 collected at various days of culture were loaded in each of the samples. The loading scheme is: Lane 1: day 9 sample, Lane 2: day 7 sample, Lane 3: day 9 sample, Lane 4: day 7 sample, Lane 5: day 5 sample, Lane 6: Ladder, Lane 7:240 fmol HCP recombinant standard, Lane 8: 120 fmol recombinant standard, Lane 9: 60 fmol recombinant standard, Lane 10: 30 fmol recombinant standard. The gel was run at 200V for 35 minutes, transferred for 45 minutes at 30V (it was the only blot in the transfer rig). And a nitrocellulose membrane was used for blotting. It was blocked overnight in Blocking Solution. A 1: 4000 dilution of primary anti-HCP antibody was used and the membrane was blocked for an hour. Then the washes in TBS-T were done - 2x briefly, 1x for 15min, and 3x for 5min. A 1:25 000 dilution of secondary antibody was used, and the membrane was blocked for another hour followed by the washes in TBS-T. Reaction was developed using extreme low femtogram chemiluminescent detection reagent.