

# Anti-CcmK4 antibody

Catalog: PHY5462S

## Product Information

|                                 |                                                                                                                                                                                                                                                                                                            |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description:</b>             | Rabbit polyclonal antibody                                                                                                                                                                                                                                                                                 |
| <b>Background:</b>              | CcmK4 (Q31RK2) is a minor carboxysome shell protein in <i>Synechococcus elongatus</i> PCC 7942. It localizes to the carboxysome, a polyhedral microcompartment. It assembles into hexamers forming shell facets and regulates metabolite flux, with its deletion impairing growth at low CO <sub>2</sub> . |
| <b>Synonyms:</b>                | Carboxysome shell protein CcmK4                                                                                                                                                                                                                                                                            |
| <b>Immunogen:</b>               | Recombinant protein (1-113 aa) of <i>Synechococcus elongatus</i> PCC 7942 CcmK4 (Q31RK2).                                                                                                                                                                                                                  |
| <b>Form:</b>                    | Lyophilized                                                                                                                                                                                                                                                                                                |
| <b>Quantity:</b>                | 150 µg                                                                                                                                                                                                                                                                                                     |
| <b>Purification:</b>            | Serum<br>Peptide affinity form antibody available upon request at <a href="mailto:info@phytoab.com">info@phytoab.com</a> .                                                                                                                                                                                 |
| <b>Reconstitution:</b>          | Reconstitution with 150 µl of sterile water.<br>"Note: please spin tube briefly prior to opening it to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tube".                                                                                              |
| <b>Stability &amp; Storage:</b> | Use a manual defrost freezer and avoid repeated freeze-thaw cycles.<br>12 months from date of receipt, -20 to -70°C as supplied.<br>6 months, -20 to -70°C under sterile conditions after reconstitution.<br>1 month, 2 to 8°C under sterile conditions after reconstitution.                              |
| <b>Shipping:</b>                | The product is shipped at 4°C. Upon receipt, store it immediately at the temperature recommended above.                                                                                                                                                                                                    |

## Application Information

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| <b>Recommended Dilution:</b>   | Western Blot (1:1000-1:2000)<br>Note: Optimal dilutions/concentrations should be determined by the end user.                     |
| <b>Expected / apparent MW:</b> | 12 kDa                                                                                                                           |
| <b>Predicted Reactivity:</b>   | For more species homologues information, please contact tech support at <a href="mailto:tech@phytoab.com">tech@phytoab.com</a> . |

Research Use Only

