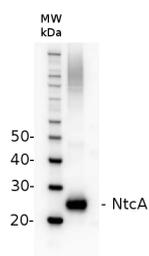


Product no **AS12 1873****Anti-NtcA | Global nitrogen regulator****Product information**

<b>Immunogen</b>	KLH-conjugated synthetic peptide derived from known cyanobacterial NtcA protein sequences including UniProt: <a href="#">P33779</a>
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Immunogen affinity purified serum in PBS pH 7.4.
<b>Format</b>	Lyophilized
<b>Quantity</b>	200 µg
<b>Reconstitution</b>	For reconstitution add 100 µl of sterile water
<b>Storage</b>	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**

<b>Recommended dilution</b>	1 : 1000 (WB)
<b>Expected   apparent MW</b>	25 kDa
<b>Confirmed reactivity</b>	<i>Synechocystis</i> sp. PCC6803
<b>Predicted reactivity</b>	<i>Anabaena</i> sp., <i>Gleobacter</i> sp., <i>marine Synechococcus</i> strains, <i>Trichodesmium</i> sp. Species of your interest not listed? <a href="#">Contact us</a>
<b>Not reactive in</b>	No confirmed exceptions from predicted reactivity are currently known
<b>Selected references</b>	<a href="#">Ge</a> et al. (2017). Translating Divergent Environmental Stresses into a Common Proteome Response through the Histidine Kinase 33 (Hik33) in a Model Cyanobacterium. <i>Mol Cell Proteomics</i> . 2017 Jul;16(7):1258-1274. doi: 10.1074/mcp.M116.068080.

**application example**

**5 µg of total protein** from *Synechocystis* sp. PCC 6803 extracted with [PEB](#) were separated on **4-12 % SDS-PAGE** and blotted 1h to **PVDF**. Blots were blocked for 1h at room temperature (RT) with agitation. Blot was incubated in the primary antibody at a dilution of 1: 1 000 for 1h at RT with agitation. The antibody solution was decanted and the blot was rinsed briefly twice, then washed once for 15 min and 3 times for 5 min in TBS-T at RT with agitation. Blot was incubated in secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated, from Agrisera, [AS09 602](#)) diluted to 1:25 000 in for 1h at RT with agitation. The blot was washed as above and developed for 5 min with ECL according to the manufacturers instructions. Exposure time was 32 seconds.