

Product no **AS08 374****Anti-KatG | catalase peroxidase (HPI), cyanobacterial****Product information**

<b>Immunogen</b>	Recombinant full length KatG protein from <i>Synechocystis</i> sp. PCC 6803 (accessions <a href="#">P73911</a> and <a href="#">sl11987</a> ) with six His-tag on the terminus.
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Serum
<b>Format</b>	Lyophilized
<b>Quantity</b>	200 µl
<b>Reconstitution</b>	For reconstitution add 200 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 : 3000, 10 µg protein/lane (WB)
<b>Expected   apparent MW</b>	84.4   84.4 kDa for <i>Synechocystis</i> sp. PCC 6803
<b>Confirmed reactivity</b>	<i>Synechocystis</i> sp. PCC 6803
<b>Predicted reactivity</b>	<i>Synechococcus</i> sp. including PCC 7302 and <i>S. elongatus</i> (PCC 6301, PCC 7942); other bacteria
	Species of your interest not listed? <a href="#">Contact us</a>
<b>Additional information</b>	This product can be sold containing ProClin if requested

**Selected references** [Muehler et al. \(2024\)](#). Stress response in Escherichia coli following sublethal phenalene-1-one mediated antimicrobial photodynamic therapy: an RNA-Seq study. Photochem Photobiol Sci. 2024 Aug 5. doi: 10.1007/s43630-024-00617-3.

[Hakkila et al. \(2018\)](#). Group 2 Sigma Factors Are Central Regulators of Oxidative Stress Acclimation in Cyanobacteria. Plant Cell Physiol. 2018 Nov 8. doi: 10.1093/pcp/pcy221.

[Wenk et al. \(2012\)](#). A universally conserved GTPase regulates the oxidative stress response in Escherichia coli. J Bio. Chem. Nov 8.

