

This product is for research use only (not for diagnostic or therapeutic use)

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## product AS08 374

## KatG | catalase peroxidase (HPI), cyanobacterial

## product information

background catalase peroxidase (EC 1.11.1.7) is a bifunctional antioxidant enzyme encoded

by the *katG*-gene. It exhibits both, catalase and peroxidase activity which provides a protection against oxidative stress by neutralising hydrogen peroxide. The enzyme is present in a number of bacterial taxa, including cyanobacteria.

immunogen recombinant full length KatG protein from *Synechocystis* sp. PCC 6803

(accessions P73911 and sll1987) with six His-tag on the terminus.

antibody format rabbit polyclonal serum lyophilized

**quantity** 200 μl 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 tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material

adhering to the cap or sides of the tubes.

tested applications Western blot (WB)

additional information not avilable at the moment

## application information

recommended dilution 1: 3000 on 10 µg protein/lane with standard ECL (WB)

expected | apparent 84.4 /84.4 kDa for *Synechocystis* sp. PCC 6803

confirmed reactivity Synechocystis sp. PCC 6803

predicted reactivity Synechococcus sp. including PCC 7302 and S.elongatus (PCC 6301, PCC 7942);

other bacteria

not reactive in n.a

additional information not available at the moment

selected references not available yet, antibody released in November 2008

berd ravin (I) was sparred on a 5-TM gal and betted to intronsition membrane, filters relevant blood for the rad incubated with artificial artibody (12000, 2%) followed by incubation with HPIcouples lacendary artificialty artibody (12000, 2%) Signal was detected with standard CEA. Then as the bashed served in NF this are not present in the A Sard Earle, the land at 55 100 is most probable a dary detail on product of the Millinghot Edoprosion. 1 2 kDa -130 KatG -95 -72 -55 -43 -34 -26

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