

Product no **AS15 2992****Anti-APX1 | Ascorbate peroxidase (algal)****Product information**

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|-----------------------|---|
| <b>Immunogen</b>      | KLH-conjugated synthetic peptide derived from <i>Chlamydomonas reinhardtii</i> APX sequence, UniProt: <a href="#">O49822</a>  |
| <b>Host</b>           | Rabbit  |
| <b>Clonality</b>      | Polyclonal  |
| <b>Purity</b>         | Serum   |
| <b>Format</b>         | Lyophilized   |
| <b>Quantity</b>       | 50 µl   |
| <b>Reconstitution</b> | For reconstitution add 50 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**

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|-------------------------------|--|
| <b>Recommended dilution</b>   | 1 : 9000 (WB)  |
| <b>Expected   apparent MW</b> | 35 kDa   |
| <b>Confirmed reactivity</b>   | <i>Chlamydomonas reinhardtii</i>   |
| <b>Predicted reactivity</b>   | <i>Coccomyxa subellipsoidea C-169</i> , <i>Cyanidioschyzon merolae</i> , <i>Galdieria sulphuraria</i> , <i>Micromonas pusilla</i> (strain <i>CCMP1545</i> ), <i>Nannochloropsis gaditana</i> , <i>Ostreococcus lucimarinus</i> (strain <i>CCE9901</i> ), <i>Ulva fasciata</i> , <i>Volvox carteri</i><br>Species of your interest not listed? <a href="#">Contact us</a> |
| <b>Not reactive in</b>        | <i>Galdieria sulphuraria</i>   |

**Application information**

25 µg of total protein from *Chlamydomonas reinhardtii* extracted with 2 % SDS / 50 mM TRIS pH 6.8 + protease inhibitor cocktail were separated on 12 % SDS-PAGE and blotted for 1 h to PVDF using semi-dry transfer. Blots were blocked with 5 % low-fat milk powder TBS + 0.1 % Tween for 1 h at room temperature (RT) with agitation. Blot was incubated in the primary antibody at a dilution of 1 : 2,500 for 1 h at RT with agitation. The antibody solution was decanted and the blot was rinsed, then washed 3 times each for 5 min in TBS-T at RT with agitation. Blot was incubated in secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated, from Sigma) diluted to 1:25,000 in 2 % low-fat milk powder TBS + 0.1 % Tween for 1 h at RT with agitation. The blot was washed as above and developed with chemiluminescent detection reagent, according to the manufacturer's instructions. Exposure time was typically 30 seconds.

Courtesy of Dr. Thomas Roach, University of Innsbruck, Austria