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Agrisera AB | Box 57 | SE-91121 Vännäs | Sweden | +46 (0)935 33 000 | www.agrisera.com

Product no AS15 2992

APX1 | Ascorbate peroxidase (algal)

Product information

Immunogen	KLH-conjugated synthetic peptide derived from *Chlamydomonas reinhardtii* APX sequence, UniProt: O49822
Host	Rabbit
Clonality	Polyclonal
Purity	Serum
Format	Lyophilized
Quantity	50 µl
Reconstitution	For reconstitution add 50 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 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

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

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 1h 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 1h 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