

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

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# Product no AS12 1848

## **ZCP2** | Zinc Chaperone Protein

#### **Product information**

Immunogen Recombinant ZCP2 protein of Chlamydomonas reinhardtii, ID 536252, UniProt: A0A059VIF5

**Host** Rabbit

Clonality Polyclonal

**Purity** Serum

Format Lyophilized

Quantity 50 ul

**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 1:1000 (WB)

Expected | apparent

70 | 100 kDa (probably due to glycosylation)

Confirmed reactivity Chlamydomonas reinhardtii

Predicted reactivity Emiliania huxleyi

Species of your interest not listed? Contact us

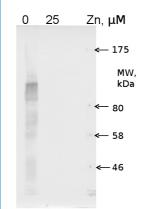
Not reactive in No confirmed exceptions from predicted reactivity are currently known

Additional information This antibody can be used as a marker of zinc homeostasis in Chlamydomonas reinhardtii.

Selected references | Hsieh et al. (2013). The Proteome of Copper, Iron, Zinc, and Manganese Micronutrient Deficiency in Chlamydomonas

reinhardtii. Mol Cell Proteomics. 2013 Jan;12(1):65-86. doi: 10.1074/mcp.M112.021840. Epub 2012 Oct 13.

#### application example



Chlamydomonas reinhardtii soluble proteins (10 µg) were separated on a 7.5% SDS-PAGE gel and blotted to nitrocellulose for 90 min. at 1.5 mA cm-2. The membrane was blocked with 1% milk in PBS-T for 1h at room temperature (RT) with agitation. Blot was incubated in the primary antibody at a dilution of 1: 1 000 for 2 hr at RT with agitation. The antibody solution was

decanted and the blot was rinsed briefly twice, then washed 3 times for 5 min in PBS-T + 1% milk at RT with agitation. Blot was incubated in secondary antibody (anti-rabbit IgG horse alkaline phosphatase conjugated, from Southern Biotech) diluted to 1:3000 in PBS-T + 1% milk for 45 min at RT with agitation. The membrane was washed 2 times for 5 min in PBS-T + 1% milk at RT with agitation, then rinsed with TBS (pH 7.5), and developed.

Courtesy Dr. Dudley Page, UCLA, USA