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Product no AS12 1848

ZCP2 | Zinc Chaperone Protein

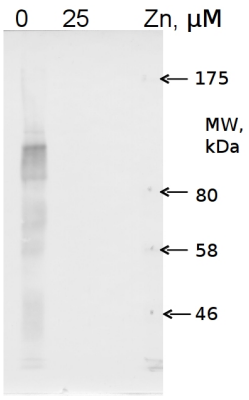
Product information

Immunogen	Recombinant ZCP2 protein of *Chlamydomonas reinhardtii*, ID 536252, UniProt: A0A059VIF5
Host	Rabbit
Clonality	Polyclonal
Purity	Serum
Format	Lyophilized
Quantity	50 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 : 1000 (WB)
Expected | apparent MW	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