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Product no AS23 4923

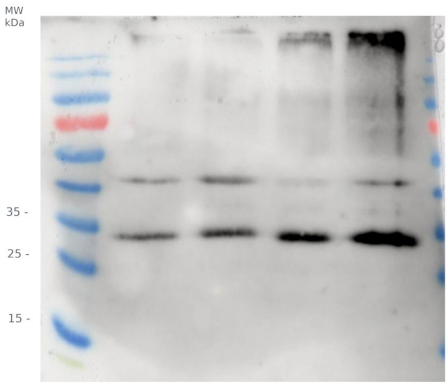
Anti-Cyt f | Cytochrome f protein (PetA) of thylakoid Cyt b6/f-complex (algal)

Product information

Immunogen	KLH-conjugated peptide derived from *Chlamydomonas reinhardtii* Cytf (PetA), UniProt: **P23577**
Host	Rabbit
Clonality	Polyclonal
Purity	Antigen affinity purified serum, in PBS pH 7.4
Format	Lyophilized
Quantity	50 µg
Reconstitution	For reconstitution, add 50 µl, of sterile or deionized 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.

Application information

Recommended dilution	1 : 10 000 - 1: 15 000 (WB)
Expected | apparent MW	34 kDa
Confirmed reactivity	*Chlamydomonas reinhardtii*
Predicted reactivity	*Euglena gracilis, Chlorella vulgaris, Synechocystis sp., Nostoc sp., Prochlorococcus marinus subsp. Pastoris, Synechococcus sp., Prochlorococcus marinus, Synechococcus elongatus* Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Selected references	To be added when available, antibody available in May 2025.



5-25 µg/well of total protein extracted freshly from *Chlamydomonas reinhardtii*. Exact buffer components were at 4 °C in 150 µL of lysis buffer containing 7 M urea, 2 M thiourea, 18 mM Tris-HCl, 14 mM Trizma base, 4% (w/v) CHAPS and 0.2% (v/v) Triton X-100, to which 20 µL of protease inhibitor cocktail (Complete Mini, Roche Diagnostics), dissolved in water as per the manufacturer's instructions, were added and denatured with 3 µL of 1 M dithiothreitol (DTT) for 30 min at 4 °C before centrifugation (20 000 g, 10 min, 4 °C) and supernatant with 2x loading buffer heated at 85°C for 5 min before loading. Samples were separated at RT on 12 % SDS-PAGE and blotted for 1 h to nitrocellulose (pore size of 0.45 µm), using: semi-dry transfer at RT. Blot was blocked with 5 % milk for 1h/RT with agitation. Blot was incubated in the primary antibody at a dilution of 1: 10 000 for 1h/RT with agitation in TBS-T. The antibody solution was decanted and the blot was rinsed briefly twice, then washed 3 times for 10 min in TBS-T at RT with agitation. Blot was incubated in matching secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated, AS09 602, Agrisera) diluted to 1: 25 000 in for 1h/RT with agitation. The blot was washed as above and developed with a following chemiluminescent detection reagent. Exposure time was 20 seconds.

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