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Product no AS06 119

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

Product information

Immunogen GST fusion to cytochrome f from Chlamydomonas reinhartii P23577

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.

Additional information Contains 0.02 % sodium azide as preservative

Application information

Recommended dilution 1 : 2000-1 : 50 000 (WB)

Expected | apparent

34 | 31-32 kDa

Confirmed reactivity

Arabidopsis thaliana, Chlamydomonas reinhardtii, Chlorella vulgaris, Colobanthus quitensis Kunt Bartl, CRaterostigma pumilum, Hordeum vulgare, Nannochloropsis gaditana, Nicotiana tabacum, Nostoc sp. PCC7120, Physcomitrium patens, Selaginella martensi, Synechocystis sp. 6803 substrain PCC-M, Ulva prolifera

Predicted reactivity

Algae, Citrus x limon, Zea mays

Species of your interest not listed? Contact us

Additional information

Reaction with cyanobacteria: *Synechocystis* 6803 and *Synechococcus* 7942 possible to obtain on total cell extract when using antibody at 1:500 and longer exposure time.

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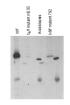
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Application example



Chlamydomonas reinhardtii samples are lysed cells, Arabidopsis thaliana samples are prepared from thylakoid membranes; Samples were boiled 1 min in 3%SDS,then 10ug of chlorophylls were loaded in each well of a 12% acrylamide gel.



15 µg protein of whole cell extracts precipitated with 80 % acetone followed by re-suspension in 100 mM Tris HCl pH 6.8, 4 % SDS, 20 mM EDTA of *Chlamydomonas reinhardtii* were loaded on BioRad 4-20% Criterion TGX Precast Mini protein gels. Gels were run at 85V. For electro-blotting wet transfer onto nitrocellulose membrane was performed (105 V for 1h). Overnight blocking with 5% milk in TBS-T in the cold room. Two-hour-long incubation with anti-cyt f antibodies at a dilution of 1:50 000 in TBS-T was followed by washes and incubation with matching anti-rabbit secondary antibodies and development with chemiluminescent detection reagent following manufacture's recommendations. Image was taken using Chemidoc MP Imaging system. Exposure time was in a range of 3 to 10 seconds.

Courtesy of Dr. Angeliki Tsichla, Petroutsos lab, CEA Grenoble, France