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Product no AS18 4169

Cyt b6 / PetB | Thylakoid membrane cytochrome b6 protein, N terminal

Product information

Immunogen KLH-conjugated peptide chosen from Arabidopsis thaliana PetB protein sequence, UniProt: P56773, TAIR:

Host Rabbit

Clonality Polyclonal

Purity Serum

Format Lyophilized

Quantity 50 ug

Reconstitution For reconstitution add 50 μl, of sterile water

Storage

Lyophilized antibody can be stored at -20°C for up to 3 years. Re-constituted antibody can be stored at 4°C for several days to weeks. 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 - 1:5000 (WB)

Expected | apparent

Confirmed reactivity

Arabidopsis thaliana, Chlamydomonas reinhardtii, Echinochloa crus-galli, Medicago sativa, Nannochloropsis oceanica strain IMET1, Nicotiana benthamiana, Panicum miliaceum, Pisum sativum, Zea mays

Predicted reactivity

Acacia prainii, Angelphytum bahiense, Aristolochia promissa, Daucus glochidiatus, Dimerostemma brasilianum, Elaphandra paucipunctata, Fraxinus chiisanensis, Gossypium populifolium, Hydrangea heteromalla, Nicotiana sylvestris, Oryza sativa, Salix tetrasperma, Solanum lycopersicum, Thottea siliquosa, Triticum turgidum, Ulva flexuosa, Wedelia biflora, Vanilla aphylla

Species of your interest is not listed? Species of your interest not listed? Contact us.

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Selected references

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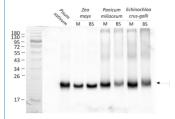


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Application example



0.75 µg of chlorophyll from *Pisum sativum* thylakoids and from mesophyll (M) and bundle sheath (BS) thylakoids of *Zea mays, Panicum miliaceum, Echinochloa crus-galli* extracted with 0.4 M sorbitol, 50 mM Hepes NaOH, pH 7.8, 10 mM NaCl, 5 mM MgCl₂ and 2 mM EDTA were loaded to lanes. Samples were denatured with Laemmli buffer at 75 °C for 5 min and were separated on 12% SDS-PAGE and blotted 30 min to PVDF using wet transfer. Blot was blocked with 5% milk for 2h at room temperature (RT) with agitation. Blot was incubated in the primary antibody a dilution of 1: 1000 overnight at 4°C with agitation in 1% milk in TBS-T. The antibody solution was decanted and the blot was washed 4 times for 5 min in TBS-T at RT with agitation. Blot was incubated in secondary antibody (anti-rabbit IgG HRP conjugated, from Agrisera, <u>AS09</u> 602) diluted to 1:25 000 in 1 % milk in TBS-T for 1h at RT with agitation. The blot was washed 5 times for 5 min in TBS-T and 2 times for 5 min in TBS, and developed for 1 min with 1.25 mM luminol, 0.198 mM coumaric acid and 0.009% H₂O₂ in 0.1 M Tris- HCl, pH 8.5. Exposure time in ChemiDoc System was 54 seconds.

Courtesy Dr. Wioleta Wasilewska-Dębowska, Warsaw University, Poland