

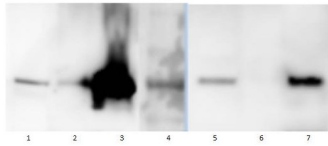
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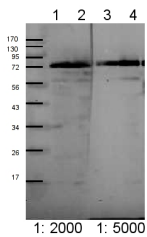
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Application example



Samples of crude *Arabidopsis thaliana* chloroplast preparation from 250xg pellet (1), unknown sample (2), *Arabidopsis thaliana* 100kDa membrane preparation (3), prestained marker 80kDa band (NEB Broad Range) (4), *Physcomitrella patens* 'broken' chloroplasts from above 40% on Percoll gradient (5), unknown sample (6), *Physcomitrella patens* intact chloroplasts from above 80% on Percoll gradient (7) were blotted to PVDF membrane. Blot was incubated overnight at 4°C in 5% milk powder in Tris Buffered Saline (TBS), rinsed twice and then washed for 3 x 15 min in TBS+ 0.1%Tween20 (TBS-T). Incubation in anti-Toc75 POTRA3 antibody was done for 2h/RT using 8µl antibody per 10 ml 3% milk powder in TBS-T. Washes: 3 x 15 min in TBS+ 0.1%Tween20 (TBS-T). Incubation in goat anti-rabbit peroxidase secondary antibody was for 1h at room temperature and used 4µl antibody per 10ml 3% milk powder in TBS-T. Washes: 3 x 15 min in TBS+ 0.1%Tween20 (TBS-T) followed by incubation with chemiluminescence detection reagent and exposure for 10 min or 2min in an ImageQuant LAS4000 (lanes 1-3 and 5-7, respectively).

Courtesy Dr. Amanda Dowson, Warwick University, UK



580 ng of Chl of *Pisum sativum* plants (10 day old) (2, 4) and 10 µg of combined envelopes of *Pisum sativum* 10 day-old (1,3) were separated on 15% SDS-PAGE and blotted 2h to PVDF. PVDF was blocked 1h with 3% non-fat milk powder in TBS-T (0.1% TWEEN 20) and probed with anti-Toc75 POTRA domain 3 antibodies AS08 351 (1:2000 and 1: 5000, 1h) and secondary donkey-anti-rabbit (1:20000, 1 h) antibody (HRP conjugated) in TBS-T containing 3% non fat milk powder. Antibody incubations were followed by washings in TBS-T. All steps were performed at RT with agitation. Blots were developed for 5 min with chemiluminescence detection reagent according to the manufacturers instructions. Exposure time was 600 seconds.

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