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Product no AS08 345

Anti-Toc75 | Protein TOC75-3, chloroplastic, POTRA domain 1

Product information

Immunogen psTOC75; Predicted POTRA Domain #1; Amino acids, 158-241; Expressed and purified in *E. coli* using the Impact System from NEB. Peptide confirmed by MALDI. Q43715

Host Rabbit

Clonality Polyclonal

Purity Serum

Format Lyophilized

Quantity 200 ul

Reconstitution For reconstitution add 200 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 1:500 (Flow cyt), 1:100 (IL), 1:2000-1:100 000 (WB)

Expected | apparent MW 88 | 75 kDa (ocassionally a processing intermediate at 78 kDa is observed)

Confirmed reactivity Pisum sativum, some cross-reactivity was observed for cyanobacteria including: Synechocystis, Synechococcus and

Thermosynechococcus

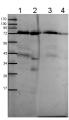
Predicted reactivity Oryza sativa, Ricinus communis, Populus trichocarpa, Vitis vinifera

Species of your interest not listed? Contact us

Not reactive in Physcomitrella patens, Zea mays

Additional information Antibody detects Toc75 POTRA domain 1 as purified protein, in chloroplast fraction and in crude envelope fraction

Application example



1: 2000 1: 5000

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 1 antibodies AS08 345 (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 HRP substrate Peroxide solution & luminol detection reagent according to the manufacturers instructions. Exposure time was 600 seconds.

Courtesy of Ashita Dave and Barry D. Bruce (UTK), USA