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**Product no AS08 345**

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

## Product information

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|---|---|
| **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 µl |
| **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

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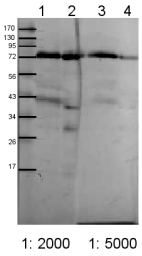
| **Recommended dilution** | 1 : 500 (Flow cyt), 1 : 100 (IL), 1 : 2000-1 : 100 000 (WB) |
| **Expected \| apparent MW** | 88 \| 75 kDa (ocassionally a processing intermediate at 78 kDa is observed) |
| **Confirmed reactivity** | *Pisum sativum,* some cross-reactivity was observed for cyanobacteria including: *Synechocystis, Synechococcus and Thermosynechococcus* |
| **Predicted reactivity** | *Oryza sativa, Ricinus communis, Populus trichocarpa, Vitis vinifera*<br>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




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