

product **AS10 709-10**

Tic40 | chloroplast inner envelope membrane translocon complex protein (10 µl)

product information

background	Tic40 is a component of the inner envelope membrane import complex (TIC) of plant chloroplasts. Tic40 has been proposed to function as a co-chaperone in the stromal chaperone complex that facilitates protein translocation across the inner membrane. Tic40 can be used as a cellular [compartment marker] for chloroplast inner envelope membrane.
immunogen	<u>KLH</u> -conjugated synthetic peptide derived from available plant sequences of Tic40 including <i>Arabidopsis thaliana</i> <u>At5g16620</u>
antibody format	rabbit polyclonal serum lyophilized
quantity	10 µl
storage	store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.
tested applications	western blot (WB)
additional information	cellular [compartment marker] of chloroplast membrane

application information

recommended dilution	1 : 2500 with standard ECL (WB)
expected apparent MW	48 45 kDa (<i>Arabidopsis thaliana</i>)
confirmed reactivity	<i>Arabidopsis thaliana</i>
predicted reactivity	dicots: <i>Pisum sativum</i> , <i>Ricinus communis</i> , <i>Vitis vinifera</i> , monocots: <i>Oryza sativa</i> , trees: <i>Picea sitchensis</i> , <i>Populus trichocarpa</i> , moss: <i>Physcomitrella patens</i>
not reactive in	<i>Chlamydomonas reinhardtii</i>
additional information	to be added when available
selected references	to be added when available. Antibody released in April 2010