

product **AS09 477**

S14 | 40S ribosomal protein S14-1

product information

background	40S ribosomal protein S14-1 is localized in cytoplasm and belongs to ribosomal protein S11P family.
immunogen	<u>KLH</u> -conjugated synthetic peptide derived from <i>Arabidopsis thaliana</i> <u>Q9SIH0</u>
antibody format	rabbit polyclonal, serum,
quantity	100 µl
storage	store at -20°C; 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 material adhering to the cap or sides of the tubes.
tested applications	ELISA (ELISA), western blot (WB)
additional information	0.1 % sodium azide is added as preservative. For antibody re-suspending information check the tube label. Antibodies will detect target protein in a few µg of a crude preparation loaded per well.

application information

recommended dilution	1: 8000 (ELISA), 1: 1000 with standard ECL (WB)
expected apparent MW	16 15 kDa
confirmed reactivity	<i>Arabidopsis thaliana</i>
predicted reactivity	dicots including: <i>Brassica napus</i> , <i>Lupinus luteus</i> , <i>Ricinus communis</i> , monocots including: <i>Oryza sativa</i> , <i>Zea mays</i> , trees: <i>Picea sitchensis</i> , <i>Populus trichocarpa</i> , algae: <i>Chlamydomonas reinhardtii</i> , microalgae: <i>Ostreococcus tauri</i> other species: chicken, human, mouse, rat, salmon, <i>Candidia albicans</i> , <i>Trypanosoma brucei</i> ,
not reactive in	no confirmed exceptions from predicted reactivity known in the moment
additional information	Diluted antibody solution can be used 2 to 3 times within one month if it contains 0.1 % sodium azide as preservative and is stored at -20°C to -80°C. Manufactured by Operon Biotechnologies.
selected references	to be added when available

application example

1 µg and 10 µg of crude membrane fraction/lane from *Arabidopsis thaliana* were separated on 12 % **SDS-PAGE** and blotted 1h to PVDF membrane (40 min. at 10 V using BioRad semidry transfer). Filters were blocked 1h with 5 % low-fat **milk powder** in TBS-T (0.05% Triton X.100). Membranes were washed 5 times with TBS-T, each time in a fresh polystyrene box and probed with anti-S14 antibodies (AS09 473, **1:1000**, 1h) and secondary anti-rabbit (**1:2000**, 1 h). All steps were performed in RT with agitation.

