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Product no AS12 1856

SOC1 | Suppressor of constans overexpression 1

Product information

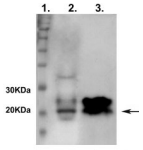
Immunogen	KLH-conjugated synthetic peptidederived from *Arabidpsis thaliana* SOC1. UniProt: O64645,TAIR: AT2G45660
Host	Rabbit
Clonality	Polyclonal
Purity	Immunogen affinity purified serum in PBS pH 7.4.
Format	Lyophilized
Quantity	50 µg
Reconstitution	For reconstitution add 50 µl of sterile water
Storage	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 : 5000 (WB)
Expected | apparent MW	24 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*Brassica sp.*, *Cardamine sylvatica, Sinapsis juncea* Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Selected references	Cuerda-Gil et al. (2022) A plant tethering system for the functional study of protein-RNA interactions in vivo. Plant Methods. 2022 Jun 4;18(1):75. doi: 10.1186/s13007-022-00907-w. PMID: 35658900; PMCID: PMC9166424.

application example

2 µg of *Arabidopsis thaliana* total protein from 15 days old seedlings **(1)** from 200ng/µl extracted with buffer containing Tris (pH7.5), NaCl, Triton-x100 and protease inhibitors and yeast protein extracts from SG335 cells transformed with pGADT7/SOC1 construct **(2)** were separated on 12 % SDS-PAGE and blotted 40 min. to PVDF. Blots were blocked with 5% milk for 1h at room temperature (RT) with agitation. Blot was incubated in the primary antibody at a dilution of 1:5000 for 1.5h at RT with agitation. The antibody solution was decanted and the blot was rinsed briefly twice, then washed once for 15 min and 3 times for 5 min in TBS-T at RT with agitation. Blot was incubated in secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated) diluted to 1:10 000 in for 45min at RT with agitation. The blot was washed as above and developed for 5 min with ECL according to the manufacturer's instructions. Exposure time was 7 min.



Double band in the yeast sample might be due to post-translational mofifications as experiment with yeast harbouring vector showed no cross-reactivity.

Courtesy of Dr Theoni Margaritopoulou, Agricultural University of Athens, Greece