

Agrisera

This product is for research use only (not for diagnostic or therapeutic use)

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Product no **AS12 1856**

SOC1 | Suppressor of constans overexpression 1

Product information

Background	SOC1 (Suppressor of constans overexpression 1) is a transcription activator active in flowering time control. Located in nucleus and cytoplasm. Widely expressed but not found in the apical meristem of short-day grown plants in vegetative stage. Alternative names: AGAMOUS-LIKE 25, AGL25, FLC, FLF, FLOWERING LOCUS C, FLOWERING LOCUS F.
Immunogen	<u>KLH</u> -conjugated synthetic peptidederived from <i>Arabidopsis thaliana</i> SOC1. UniProt: O64645 , TAIR: AT2G45660
Host	Rabbit
Clonality	Polyclonal
Purity	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 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)
Related products	AS16 3160 Anti-CO Constans, rabbit polyclonal antibody AS12 1864A Anti-GI Gigantea, rabbit polyclonal antibody AS12 2646 Anti-TOC1 Timing of CAB expression 1, rabbit polyclonal antibody AS14 2823 Anti-TOC1 Timing of CAB expression 1 (other species), rabbit polyclonal antibody AS06 198 Anti-FT/TSF Flowering locus T and twin sister of FT, rabbit polyclonal antibody Plant protein extraction buffer Secondary antibodies

Application information

Recommended dilution	1 : 5000 (WB)
Expected apparent MW	24 kDa
Confirmed reactivity	<i>Arabidopsis thaliana</i>
Predicted reactivity	<i>Brassica sp.</i> , <i>Cardamine sylvatica</i> , <i>Sinapsis juncea</i> Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known.

For high resolution images, please visit the specific product page at www.agrisera.com

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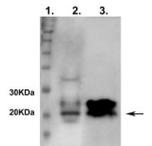
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application example

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 modifications as experiment with yeast harbouring vector showed no cross-reactivity.

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