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Agrisera AB | Box 57 | SE-91121 Vännäs | Sweden | +46 (0)935 33 000 | www.agrisera.com

Product no AS22 4821

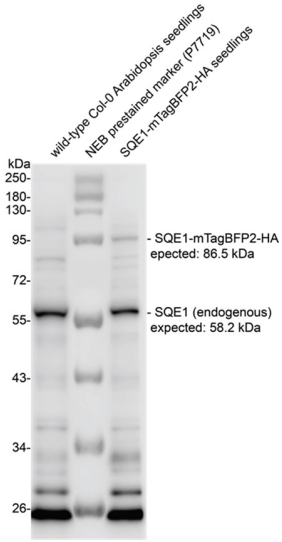
Anti-SQS1 | Squalene synthase

Product information

Immunogen	KLH-conjugated peptide derived from *Arabidopsis thaliana* SQS1, UniProt: **P53799.** TAIR: At4g34640
Host	Rabbit
Clonality	Polyclonal
Purity	Antigen affinity purified serum, in PBS pH 7.4
Format	Lyophilized
Quantity	50 µg
Reconstitution	For reconstitution, add 50 µl, of sterile or deionized 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.

Application information

Recommended dilution	1 : 500 - 1000 (WB)
Expected | apparent MW	47 | 58.2 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*Brassica napus, Brachypodium distachyon, Camelina sativa, Capsella rubella, Hordeum vulgare, Lepidium apetalum, Lolium rigidum, Prunus dulcis, Oryza sativa, Raphanus sativus, Zea mays* Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Selected references	To be added when available, antibody available in January 2026.



60 µL of tissue extracted freshly from *Arabidopsis thaliana* seedlings was ground with a pestle and three volumes of sample buffer [(500 mM Tris pH 8.0, 4% (w/v) lithium dodecyl sulfate, 1 mM EDTA, 20% (w/v) glycerol, 11 µM Coomassie blue G250, 16.6 µM phenol red, 50 µM dithiothreitol (DTT)] was added. Proteins were denatured by boiling the samples at 100°C for 5 min. Samples were separated at room temperature on 10% SDS-PAGE (Bolt Bis-Tris gels) and transferred (wet) for 15 minutes to nitrocellulose (pore size 0.45 µm), using an eBlot L1 transfer system (GenScript). Blot was blocked with 5% BSA for 1 h at room temp with rocking. Blot was incubated in the primary antibody at a dilution of 1:500 overnight at 4°C with rocking. The antibody solution was decanted, and the blot was rinsed briefly, then washed 3 times for 5 min in TBS-T at room temp with rocking. Blot was incubated in matching secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated) diluted to 1:2 500 in 5% BSA for 1 hour at room temp with rocking. The blot was washed as above and developed with WesternSure Premium Chemiluminescent substrate (Thermo Fisher, 50-489-552) for 3 minutes. Exposure time was 3 minutes.

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Courtesy of Dr. Bonnie Bartel, Rice University, USA