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Product no AS22 4820

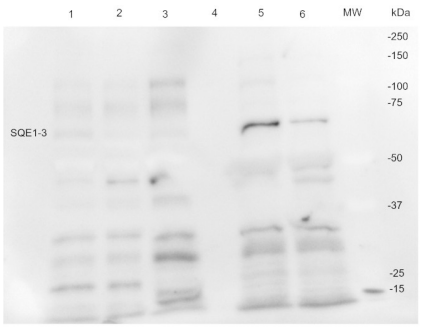
Anti-SQE1-3 | Squalene epoxidase1-3

Product information

Immunogen	KLH-conjugated peptide derived from *Arabidopsis thaliana* SQE protein sequences, UniProt: Q9SM02,Q81000, Q8VYH2, , TAIR: At1g58440, At2g22830, At4g37760
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 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 : 1000 (WB)
Expected | apparent MW	64.7 | 59.5 kDa (due to N-terminal or C-terminal processing)
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*Brassica napus, Zea maize, Oryza sativa, Brachypodium distachyon, Triticum sp., Hordeum vulgare* 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 March 2025.



Samples:
1 - 20 ug of *Withania somnifera* whole leaf extract (leaves) – adult plant, in soil, full watering
2 - 20 ug of *Withania somnifer*a whole leaf extract (leaves) – adult plant, in soil, drought treatment
3 - 20 ug of *Withania somnifer*a whole leaf extract (leaves) – adult plant, in soil, yeast extract treatment
4 – No samples
5 - 20 ug of *Arabidopsis thaliana* whole leaf extract (leaves) – rosette development stage, in soil
6 – 20 ug of *Arabidopsis thaliana* SAIL_1252_E02 (insertion in G6PD1 – At5g35790) - rosette development stage, in soil
Mark: MW markers

20 µg/well of total protein freshly extracted from *Withania somnifera* and *Arabidopsis thaliana* have been used. Exact buffer components were: TrisHCl 100 mM, $MgCl_2$ 10 mM, NaEDTA 4 mM, 10% of glycerol and 1% of protease inhibitor solution; and denatured with exact buffer components at 95°C/5 min. Samples were separated on 10 % SDS-PAGE and blotted for 7 minutes to PVDF (pore size of 0.2 µm), using a Trans-BlotTurbo Transfer System. The blot was blocked with 5% milk for/RT with agitation. The blot was incubated in the primary antibody at a dilution of 1: 500 in TBS-T ON/4°C 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 at RT with agitation. Blot was incubated in a matching secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated) diluted to 1: 25 000 in TBS for 1 h/RT with agitation. The blot was washed as above and developed with the following

chemiluminescent detection reagent: Agrisera ECL Bright. Exposure time was 45 seconds.
For lower background signal, primary antibody should be incubated 1h/RT at the dilution of 1: 1000.

Courtesy of Dr. Simone Landi, Università degli Studi di Napoli Federico II, Italy