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Product no AS07 258

LOX-C | Lipoxygenase (chloroplastic)

Product information

Immunogen	recombinant *Arabidopsis thaliana* protein, loop (aa 257-450) UniProt: P38418, TAIR: At3g45140
Host	Rabbit
Clonality	Polyclonal
Purity	Serum
Format	Lyophilized
Quantity	100 µl
Reconstitution	For reconstitution add 100 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 : 50 000 (WB)
Expected | apparent MW	102 | 97 kDa
Confirmed reactivity	*Arabidopsis thaliana, Vitis vinifera*
Predicted reactivity	*Brassica napus, Musa acuminata* subsp. *malaccensis* Species of your interest not listed? Contact us
Not reactive in	*Chlamydomonas reinhardtii*
Additional information	Aweak band at around 84 kDa is detected as a probable result of cross-reaction with another lipoxygenase
Selected references	Seguel et al. (2018). PROHIBITIN 3 forms complexes with ISOCHORISMATE SYNTHASE 1 to regulate stress-induced salicylic acid biosynthesis in Arabidopsis. Plant Physiol. Jan 2018. DOI:10.1104/pp.17.00941 Cecchini et al. (2018). Underground azelaic acid-conferred resistance to Pseudomonas syringae in Arabidopsis. Mol Plant Microbe Interact. 2018 Aug 29. doi: 10.1094/MPMI-07-18-0185-R. (antibody used on LOX2 mutant plant) Pilati et al. (2015). The onset of grapevine berry ripening is characterized by ROS accumulation and lipoxygenase-mediated membrane peroxidation in the skin. BMC Plant Biol. 2014 Apr 2;14:87. doi: 10.1186/1471-2229-14-87.