

Product no **AS07 258****LOX-C | Lipoxygenase (chloroplastic)****Product information**

<b>Immunogen</b>	recombinant <i>Arabidopsis thaliana</i> protein, loop (aa 257-450) UniProt: <a href="#">P38418</a> , TAIR: <a href="#">At3g45140</a>
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Serum
<b>Format</b>	Lyophilized
<b>Quantity</b>	100 µl
<b>Reconstitution</b>	For reconstitution add 100 µl of sterile water
<b>Storage</b>	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**

<b>Recommended dilution</b>	1 : 50 000 (WB)
<b>Expected   apparent MW</b>	102   97 kDa
<b>Confirmed reactivity</b>	<i>Arabidopsis thaliana</i> , <i>Vitis vinifera</i> !!AIR8!! <i>Arabidopsis thaliana</i> , <i>Vitis vinifera</i>
<b>Predicted reactivity</b>	<i>Brassica napus</i> , <i>Musa acuminata</i> subsp. <i>malaccensis</i> Species of your interest not listed? <a href="#">Contact us</a>
<b>Not reactive in</b>	<i>Chlamydomonas reinhardtii</i>
<b>Additional information</b>	A weak band at around 84 kDa is detected as a probable result of cross-reaction with another lipoxygenase
<b>Selected references</b>	<a href="#">Sequel</a> 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 <a href="#">Cecchini</a> 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) <a href="#">Pilati</a> 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.