LOX | Lipoxygenase

Cat *PA01456*

Size *50 µl*

CD BioSciences
Plant Protein

Host
Rabbit

Clonality
Polyclonal

Confirmed reactivity
Arabidopsis thaliana, Glycine max, Lilium longiflorum, Lupinus luteus, Musa acuminate, Musa paradisiaca L., Nicotiana benthamiana, Olea europaea, Oryza sativa

Immunogen
native lipoxygenase, type I-B, purified from Glycine max (Sigma, product number L7395) UniProt: P08170

Host
Rabbit

Clonality
Polyclonal

Purity
Serum

Format
Lyophilized

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 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
Western blot (WB)

Recommended dilution
1 : 1000 (WB)

Expected | apparent MW
54 (subunit), 108 (native enzyme)

Confirmed reactivity
Arabidopsis thaliana, Glycine max, Lilium longiflorum, Lupinus luteus, Musa acuminate, Musa paradisiaca L., Nicotiana benthamiana, Olea europaea, Oryza sativa

Predicted reactivity
Glycine max, Lathyrus undulatus, Malus x domestica, Solanum tuberosum, Vicia faba

Not reactive in
Chlamydomonas reinhardtii

Description

Address: SUITE 209, 17 Ramsey Road, Shirley, NY 11967
Tel: 1-631-637-0420
E-mail: info@cd-biosci.com
https://www.cd-biosciences.com/plant-protein/

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Lipoxygenase (lox; lipoxydases (EC 1.13.11.12, synonyms :lipoxydases) are a family of enzymes that catalyze the oxidation of polyunsaturated fatty acids (PUFAs) to lipid hydroperoxides (LOOHs), which are involved in stress responses. It has been found that LOXs plays an important role in plant growth, development and aging, and is activated under environmental stress (drought, heavy metals). Synonyms: linoleate, oxyoxidoreductase.

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