

Anti-Chloroplastic lipoxygenase antibody

Catalog: PHY0152S

Product Information

Description:	Rabbit polyclonal antibody
Background:	Plant lipoxygenases may be involved in a number of diverse aspects of plant physiology including growth and development, pest resistance, and senescence or responses to wounding. LOX2 (lipoxygenase 2) is a key enzyme in the JA biosynthetic pathway, and thereby regulates JA homeostasis in senescing leaves.
Synonyms:	LOX2, LOX-C, ARABIDOPSIS THALIANA LIPOXYGENASE 2, ATLOX2, LIPOXYGENASE 2
Immunogen:	KLH-conjugated synthetic peptide (14 aa from N terminal section) derived from <i>Arabidopsis thaliana</i> LOX2 (AT3G45140).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Serum Peptide affinity form antibody available upon request at info@phytoab.com .
Reconstitution:	Reconstitution with 150 µl of sterile water. "Note: please spin tube briefly prior to opening it to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tube".
Stability &	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Storage:	12 months from date of receipt, -20 to -70°C as supplied. 6 months, -20 to -70°C under sterile conditions after reconstitution. 1 month, 2 to 8°C under sterile conditions after reconstitution.
Shipping:	The product is shipped at 4°C. Upon receipt, store it immediately at the temperature recommended above.

Application Information

Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	102 kDa

Research Use Only

Confirmed Reactivity:

Coming soon

Predicted Reactivity:

Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in *Oryza sativa*, *Brassica napus*, *Brassica rapa*, *Solanum tuberosum*, *Solanum lycopersicum*, *Medicago truncatula*, *Hordeum vulgare*, *Gossypium raimondii*, *Cucumis sativus*, *Glycine max*.

For more species homologues information, please contact tech support at tech@phytoab.com.