Anti-Zeaxanthin Epoxidase antibody

Catalog: PHY0499A

Product Information

Description:	Rabbit polyclonal antibody
Background:	Zeaxanthin epoxidase plays an important role in the xanthophyll cycle and abscisic acid (ABA) biosynthesis.
Synonyms:	ZEP, ABA DEFICIENT 1, ABA1, ARABIDOPSIS THALIANA ABA DEFICIENT 1, ARABIDOPSIS THALIANA ZEAXANTHIN EPOXIDASE, ATABA1, ATZEP, IBS3, IMPAIRED IN BABA-INDUCED STERILITY 3, LOS6, LOW EXPRESSION OF OSMOTIC STRESS-RESPONSIVE GENES 6, NON-PHOTOCHEMICAL QUENCHING 2, NPQ2, ZEAXANTHIN EPOXIDASE
Immunogen:	KLH-conjugated synthetic peptide (14 aa from C terminal section) derived from *Arabidopsis thaliana* ZEP (AT5G67030).
Form:	Lyophilized
Quantity:	150µg
Purification:	Immunogen affinity purified
Reconstitution:	Reconstitution with 150 µl of 0.01 M sterile PBS. "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 &Storage:	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70℃ as supplied. 6 months, -20 to -70℃ under sterile conditions after reconstitution. 1 month, 2 to 8℃ under sterile conditions after reconstitution.
Shipping:	The product is shipped at 4℃. Upon receipt, store it immediately at the temperature recommended above.

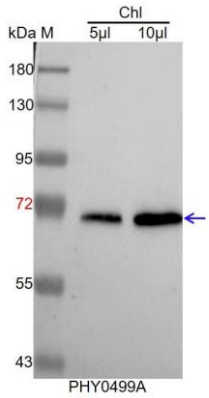
Application Information

Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	74 / 70 kDa
Confirmed Reactivity:	*Arabidopsisthaliana*

Predicted Reactivity: Among analyzed species, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in *Brassica napus, Brassica rapa, Vitis vinifera.*

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

Application Example



Chl: 5 μl, 10 μl total chloroplast protein from *Arabidopsis thaliana*, respectively.

Electrophoresis: 12% SDS-PAGE

Transfer: blotting to NC (nitrocellulose) membrane for 1 h.

Blocking: 5% skim milk at RT or 4℃ for 1 h.

Primary antibody: 1:2000 dilution overnight at 4℃.

Secondary antibody: 1:10000 dilution using Goat Anti-Rabbit IgG H&L(HRP) (Cat# PHY6000).

Detection: using chemiluminescence substrate and image were captured with CCD camera.