

Anti-Zeaxanthin Epoxidase antibody

Catalog: PHY3586A

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 N terminal section) derived from <i>Arabidopsis thaliana</i> 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	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

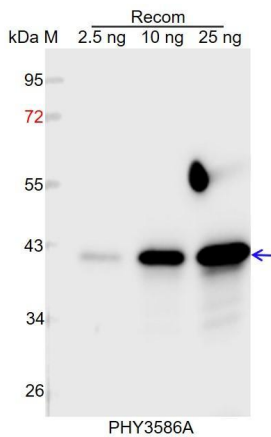
Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	74 kDa
Predicted Reactivity:	Among analyzed species, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in <i>Spinacia</i>

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oleracea, and 80-99% homologues with the sequence in *Chlamydomonas reinhardtii*, *Brassica napus*, *Brassica rapa*, *Medicago truncatula*, *Physcomitrium patens*, *Glycine max*, *Solanum tuberosum*, *Solanum lycopersicum*, *Nicotiana tabacum*, *Hordeum vulgare*, *Triticum aestivum*, *Oryza sativa*, *Setaria viridis*, *Panicum virgatum*, *Physcomitrium patens*, *Zea mays*, *Cucumis sativus*, *Sorghum bicolor*.

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

Application Example



Recom: 2.5 ng, 10 ng and 25 ng recombinant protein containing the peptide for immunization and having a molecular mass of 40 kDa.

Electrophoresis: 12% SDS-PAGE

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

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

Primary antibody: 1:1000 dilution overnight at 4°C.

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.