

# Anti-Zeaxanthin epoxidase, chloroplastic antibody

Catalog: PHY3586S

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	Zeaxanthin epoxidase plays an important role in the xanthophyll cycle and abscisic acid (ABA) biosynthesis.
<b>Synonyms:</b>	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
<b>Immunogen:</b>	KLH-conjugated synthetic peptide (14 aa from N terminal section) derived from <i>Arabidopsis thaliana</i> ZEP (AT5G67030).
<b>Form:</b>	Lyophilized
<b>Quantity:</b>	150 µg
<b>Purification:</b>	Serum Peptide affinity form antibody available upon request at <a href="mailto:info@phytoab.com">info@phytoab.com</a> .
<b>Reconstitution:</b>	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".
<b>Stability &amp; Storage:</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 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.
<b>Shipping:</b>	The product is shipped at 4°C. Upon receipt, store it immediately at the temperature recommended above.

## Application Information

<b>Recommended Dilution:</b>	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
<b>Expected / apparent MW:</b>	74 kDa

Research Use Only

**Confirmed Reactivity:**

Coming soon

**Predicted Reactivity:**

Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Spinacia oleracea*, and 80-99% homologues with the sequence in *Chlamydomonas reinhardtii*, *Brassica rapa*, *Brassica napus*, *Medicago truncatula*, *Physcomitrium patens*, *Glycine max*, *Brassica rapa*, *Solanum tuberosum*, *Solanum lycopersicum*, *Gossypium raimondii*, *Nicotiana tabacum*, *Hordeum vulgare*, *Triticum aestivum*, *Oryza sativa Japonica Group*, *Setaria viridis*, *Panicum virgatum*, *Zea mays*, *Vitis vinifera*, *Cucumis sativus*, *Sorghum bicolor*.

For more species homologues information, please contact tech support at [tech@phytoab.com](mailto:tech@phytoab.com).