Anti-D-ribulose-5-phosphate-3-epimerase antibody

Catalog: PHY0404S

Product Information

Description:	Rabbit polyclonal antibody
Background:	The D-ribulose-5-phosphate 3-epimerase (RPE) (EC 5.1.3.1) is a key enzyme in the reductive Calvin cycle and the oxidative pentose phosphate pathway (OPPP).
Synonyms:	RPE, D-RIBULOSE-5-PHOSPHATE-3-EPIMERASE, EMB2728, EMBRYO DEFECTIVE 2728
Immunogen:	KLH-conjugated synthetic peptide (15 aa from central section) derived from *Arabidopsis thaliana* RPE (AT5G61410).
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 & 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:	30 kDa
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 *Brassica*

napus, *Brassica rapa*, *Physcomitrium patens*, *Zea mays*, *Panicum virgatum*, *Vitis vinifera*, *Gossypium raimondii*, *Populus trichocarpa*, *Spinacia oleracea*, *Cucumis sativus*, *Glycine max*, *Sorghum bicolor*, *Setaria viridis,* and 80-99% homologues with the sequence in *Triticum aestivum*, *Hordeum vulgare*, *Solanum tuberosum*, *Solanum lycopersicum*, *Nicotiana tabacum*, *Medicago truncatula.*

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