

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

Catalog: PHY0616

Product Information

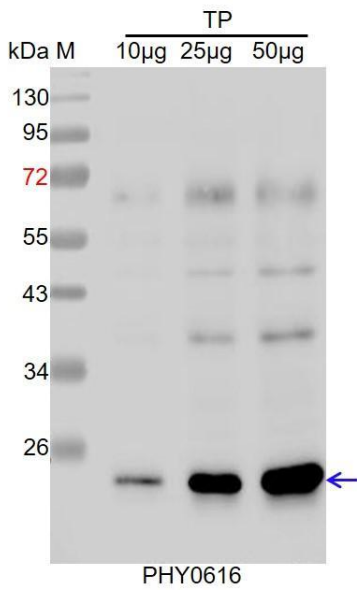
Description:	Rabbit polyclonal antibody
Background:	D-ribulose-5-phosphate 3-epimerase (RPE) (EC 5.1.3.1) is a key enzyme in the reductive Calvin cycle and the oxidative pentose phosphate pathway (OPPP).
Synonyms:	RPE, D-RIBULOSE-5-PHOSPHATE-3-EPIMERASE, EMB2728, EMBRYO DEFECTIVE 2728
Immunogen:	Recombinant, mature protein without chloroplast targeting peptide of <i>Arabidopsis thaliana</i> RPE1 (AT5G61410).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Protein A 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°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:	25 kDa
Confirmed Reactivity:	<i>Arabidopsis thaliana</i>
Predicted Reactivity:	For more species homologues information, please contact tech support at tech@phytoab.com .

Research Use Only

Application Example



TP: 10 µg, 25 µg and 50 µg total 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°C for 1 h.

Primary antibody: 1:2000 dilution overnight at 4°C.

Secondary antibody: 1:20000 dilution using Goat Anti-Rabbit IgG H&L (HRP) (Cat# PHY6000).

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