

# Anti- Vacuolar-processing enzyme beta-isozyme antibody

Catalog: PHY0904A

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	$\beta$ VPE is belonging to a novel group of cysteine proteases that is expressed specifically in seeds and is essential for the proper processing of storage proteins. In Arabidopsis, the VPE family has been described as having three members ( $\alpha$ VPE (AT2G25940), $\beta$ VPE (AT1G62710), and $\gamma$ VPE (AT4G32940).
<b>Synonyms:</b>	$\beta$ VPE, BETA VACUOLAR PROCESSING ENZYME, BETA-VPE, BETAVPE
<b>Immunogen:</b>	KLH-conjugated synthetic peptide (18 aa from Central section) derived from <i>Arabidopsis thaliana</i> $\beta$ VPE (AT1G62710).
<b>Form:</b>	Lyophilized
<b>Quantity:</b>	150 $\mu$ g
<b>Purification:</b>	Immunogen affinity purified
<b>Reconstitution:</b>	Reconstitution with 150 $\mu$ l 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".
<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.
<b>Reference:</b>	Gruis DF, et al., Plant Cell 2002, 14; 2863 – 2882.

## 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>	54 kDa

Research Use Only

**Confirmed Reactivity:**

Coming soon

**Predicted Reactivity:**

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