

Anti-Beta-amylase 3, chloroplastic antibody

Catalog: PHY0824S

Product Information

Description:	Rabbit polyclonal antibody
Background:	Beta-amylase 3 is involved in cold resistance. It mediates the accumulation of maltose upon freezing stress, thus contributing to the protection of the photosynthetic electron transport chain. It plays a role in the circadian-regulated starch degradation and maltose metabolism in chloroplasts, especially at night.
Synonyms:	BAM3, ATBAM3, CT-BMY, BETA-AMYLASE 3, BETA-AMYLASE 8, BMY8, CHLOROPLAST BETA-AMYLASE.
Immunogen:	KLH-conjugated synthetic peptide (14 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> BAM3 (AT4G17090).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Serum
Reconstitution:	Peptide affinity form antibody available upon request at info@phytoab.com . 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°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:	61 kDa
Confirmed Reactivity:	Coming soon

Research Use Only

Predicted Reactivity:

Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in *Brassica rapa*, *Brassica napus*.

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