

Anti-ATG4/CHLG/G4 antibody

Catalog: PHY0948A

Product Information

Description:	Rabbit polyclonal antibody
Background:	ATG4/CHLG/G4 is a chlorophyll synthase that catalyzes the final step of chlorophyll biosynthesis by esterifying chlorophyllide a and b. It is a chloroplastic enzyme that can use both geranylgeranyl pyrophosphate (GGPP) and phytyl pyrophosphate (PhyPP) as substrates, but shows a preference for GGPP.
Synonyms:	ATG4, Arabidopsis Chl, CHLG, G4, PDE325, PIGMENT DEFECTIVE 325
Immunogen:	KLH-conjugated synthetic peptide (16 aa from N terminal section) derived from <i>Arabidopsis thaliana</i> ATG4 (AT3G51820).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	Reconstitution with 150 µl of sterile 1XPBS (PH=7.4) containing 30% glycerol. "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:	42 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in <i>Brassica napus</i> , <i>Brassica rapa</i> .

Research Use Only

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