

Anti-Phototropin-1 antibody

Catalog: PHY3381A

Product Information

Description:	Rabbit polyclonal antibody
Background:	PHOT1 (AT3G45780) and PHOT2 (AT5G58140) mediate blue light-dependent activation of the plasma membrane H ⁺ -ATPase in guard cell protoplasts. PHOT1 undergoes blue-light-dependent autophosphorylation.
Synonyms:	PHOT1, JK224, NONPHOTOTROPIC HYPOCOTYL 1, NPH1, PHOTOTROPIN 1, ROOT PHOTOTROPISM 1, RPT1
Immunogen:	KLH-conjugated synthetic peptide (15 aa from N terminal section) derived from <i>Arabidopsis thaliana</i> PHOT1 (AT3G45780).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	Reconstitution with 150 µl of sterile 1XPBS (PH=7.4). "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:	112 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 rapa</i> , <i>Brassica napus</i> . For more species homologues information, please contact tech

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