

Anti-Calcium-transporting ATPase 4, plasma membrane-type antibody

Catalog: PHY0187S

Product Information

Description:	Rabbit polyclonal antibody
Background:	ACA4 is a calmodulin-regulated Ca(2+)-ATPase that improves salt tolerance in yeast. This magnesium-dependent enzyme catalyzes the hydrolysis of ATP coupled with the translocation of calcium from the cytosol into small vacuoles.
Synonyms:	ACA4, AUTOINHIBITED CA(2+)-ATPASE, ISOFORM 4
Immunogen:	KLH-conjugated synthetic peptide (14 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> ACA4 (AT2G41560).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Serum Peptide affinity form antibody available upon request at info@phytoab.com .
Reconstitution:	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:	113 kDa
Confirmed Reactivity:	Coming soon
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used

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for immunization is 100% homologues with the sequence in *Brassica napus*, *Brassica rapa*.

The sequence of the synthetic peptide used for immunization is 84% homologues with the sequence in ACA11 (AT3G57330).

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