Anti-Calreticulin-1 antibody

Catalog: PHY1770S

Product Information

Description:	Rabbit polyclonal antibody
Background:	CRT1a is one of three Arabidopsis calreticulins.
Synonyms:	CRT1a, ATCRT1A, CALRETICULIN 1, CALRETICULIN 1A, CRT1, CRT1A
Immunogen:	KLH-conjugated synthetic peptide (15 aa from C terminal section) derived from *Arabidopsis thaliana* CRT1a (AT1G56340).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Serum Peptide affinity form antibody available upon request at info@phytoab.com.
Reconstitution:	Reconstitution with 150µl 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℃ as supplied. 6 months, -20 to -70℃ under sterile conditions after reconstitution. 1 month, 2 to 8℃ under sterile conditions after reconstitution.
Shipping:	The product is shipped at 4℃. 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:	49 kDa
Predicted Reactivity:	The sequence of the synthetic peptide used for immunization is 87% (13/15) homologues with the sequence in CRT1b (AT1G09210). Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Vitis vinifera*, and 80-99% homologues with the sequence in *Gossypium raimondii*, *Setaria viridis*, *Hordeum vulgare*, *Triticum aestivum*, *Oryza*

sativa, *Brassica napus*, *Brassica rapa*, *Glycine max*, *Populus trichocarpa*, *Spinacia oleracea*, *Zea mays*, *Sorghum bicolor*.

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