

Anti-Dehydroascorbate Reductase 2 antibody

Catalog: PHY0246A

Product Information

Description:	Rabbit polyclonal antibody
Background:	Dehydroascorbate Reductase 2 exhibits glutathione-dependent thioltransferase and dehydroascorbate (DHA) reductase activities. It is the key component of the ascorbate recycling system and involved in the redox homeostasis, especially in scavenging of ROS under oxidative stresses. It plays a role in ozone tolerance.
Synonyms:	DHAR2, DEHYDROASCORBATE REDUCTASE 2
Immunogen:	KLH-conjugated synthetic peptide (14 aa from central section) derived from <i>Arabidopsis thaliana</i> DHAR2 (AT1G75270).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	Reconstitution with 150 µl of 0.01M sterile PBS. "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:	23 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 rapa*, *Brassica napus*, and 80-99% homologues with the sequence in *Glycine max*, *Oryza sativa*, *Populus trichocarpa*, *Gossypium raimondii*, *Hordeum vulgare*, *Tricum aestivum*, *Zea mays*, *Sorghum bicolor*.

The sequence of the synthetic peptide used for immunization is 86% homologues with the sequence in DHAR3 (AT5G16710).

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