

# Anti-Ferredoxin-1, chloroplastic antibody

Catalog: PHY2739A

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	In higher plants, [2Fe-2S] ferredoxin (Fd) proteins are the unique electron acceptors from photosystem I (PSI).
<b>Synonyms:</b>	FD1, AtFd1
<b>Immunogen:</b>	KLH-conjugated synthetic peptide (16 aa from Central section) derived from <i>Arabidopsis thaliana</i> FD1 (AT1G10960).
<b>Form:</b>	Lyophilized
<b>Quantity:</b>	150 µg
<b>Purification:</b>	Immunogen affinity purified
<b>Reconstitution:</b>	Reconstitution with 150 µl of 0.01 M 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".
<b>Stability &amp; Storage:</b>	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.
<b>Shipping:</b>	The product is shipped at 4°C. Upon receipt, store it immediately at the temperature recommended above.

## Application Information

<b>Recommended Dilution:</b>	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
<b>Expected / apparent MW:</b>	16 kDa
<b>Predicted Reactivity:</b>	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in <i>Zea mays</i> , <i>Panicum virgatum</i> , <i>Chlamydomonas reinhardtii</i> , <i>Synechocystis</i> sp. PCC 6803, and 80-99% homologues with the sequence in <i>Brassica rapa</i> , <i>Oryza sativa</i> , <i>Solanum tuberosum</i> , <i>Brassica napus</i> , <i>Cucumis sativus</i> , <i>Solanum lycopersicum</i> , <i>Physcomitrium patens</i> ,

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*Nicotiana tabacum, Sorghum bicolor, Hordeum vulgare, Triticum aestivum, Spinacia oleracea, Gossypium raimondii.*

For more species homologues information, please contact tech support at [tech@phytoab.com](mailto:tech@phytoab.com).