

Anti-4-hydroxy-3-methylbut-2-en-1-yl diphosphate synthase (ferredoxin), chloroplastic antibody

Catalog: PHY0887S

Product Information

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| Description: | Rabbit polyclonal antibody |
| Background: | HDS is a chloroplast-localized hydroxy-2-methyl-2-(E)-butenyl 4-diphosphate (HMBPP) synthase (HDS), it catalyzes the formation of HMBPP from 2-C-methyl-D-erythritol 2,4-cyclodiphosphate (MEcPP). |
| Synonyms: | HDS, GCPE, 4-HYDROXY-3-METHYLBUT-2-ENYL DIPHOSPHATE SYNTHASE, CHLOROPLAST BIOGENESIS 4, CLB4, CONSTITUTIVE SUBTILISIN 3, CSB3, ISPG |
| Immunogen: | KLH-conjugated synthetic peptide (13 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> HDS (AT5G60600). |
| 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

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| Recommended Dilution: | Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user. |
| Expected / apparent MW: | 82 kDa |

Research Use Only

Confirmed Reactivity:

Coming soon

Predicted Reactivity:

Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Brassica napus*, *Zea mays*, *Sorghum bicolor*, *Panicum virgatum*, *Cucumis sativus*, *Brassica rapa*, *Spinacia oleracea*, *Populus trichocarpa*, *Medicago truncatula*, and 80-99% homologues with the sequence in *Triticum aestivum*, *Setaria viridis*, *Hordeum vulgare subsp. vulgare*, *Solanum tuberosum*, *Nicotiana tabacum*, *Solanum lycopersicum*, *Vitis vinifera*, *Gossypium raimondii*, *Physcomitrium patens*, *Glycine max*, *Oryza sativa*.

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