

Anti-DEMETER-LIKE1/2 protein antibody

Catalog: PHY2389S

Product Information

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| Description: | Rabbit polyclonal antibody |
| Background: | ROS1 is a repressor of transcriptional gene silencing. Functions by demethylating the target promoter DNA and it interacts physically with RPA2/ROR1. In the <i>ros1</i> mutants, an increase in methylation is observed in a number of gene promoters. Among the loci affected by <i>ros1</i> , a few (RD29A and AT1G76930) are affected in cytosine methylation in all sequence contexts (CpG, CpNpG or CpNpN), although many others are affected primarily in non-CpG contexts. |
| Synonyms: | DML1/2, DEMETER-LIKE 1/2 |
| Immunogen: | KLH-conjugated synthetic peptide of DML1/2 derived from <i>Arabidopsis thaliana</i> AT2G36490 (DML1) and AT3G10010 (DML2). |
| 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: | 157 kDa |

Research Use Only

Confirmed Reactivity:

Arabidopsis thaliana

Predicted Reactivity:

Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Glycine max*, *Gossypium raimondii*, *Vitis vinifera*, *Solanum tuberosum*, *Populus trichocarpa*, *Solanum lycopersicum*, *Cucumis sativus*, *Nicotiana tabacum*, and 80-99% homologues with the sequence in *Medicago truncatula*, *Oryza sativa*, *Zea mays*, *Brassica rapa*, *Brassica napus*, *Spinacia oleracea*, *Setaria viridis*, *Sorghum bicolor*. The sequence of the synthetic peptide used for immunization is 81% (13/16) homologues with the sequence in DME (AT5G04560). For more species homologues information, please contact tech support at tech@phytoab.com.