

Anti-DNA-directed RNA polymerase V subunit 1 antibody

Catalog: PHY1784S

Product Information

Description:	Rabbit polyclonal antibody
Background:	NRPD1B is the unique largest subunit of nuclear DNA-dependent RNA polymerase V. It is required for normal RNA-directed DNA methylation at non-CG methylation sites and transgene silencing.
Synonyms:	NRPD1B, ATNRPD1B. DEFECTIVE IN MERISTEM SILENCING 5, DMS5, DRD3, NRPE1, NUCLEAR RNA POLYMERASE D1B
Immunogen:	KLH-conjugated synthetic peptide (17 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> NRPD1b (AT2G40030).
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

Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected/apparent MW:	218 kDa

Research Use Only

Predicted Reactivity:

Among species analyzed, the sequence of the synthetic peptide used for immunization is **100%** homologues with the sequence in *Arabidopsis thaliana*, *Arabidopsis suecica*, and **90%** homologues with the sequence in *Camelina sativa*, *Capsella rubella*.

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