

Anti-Dicer-like protein 4 antibody

Catalog: PHY1474S

Product Information

Description:	Rabbit polyclonal antibody
Background:	DCL4 is an RNase III-like enzyme that catalyzes processing of trans-acting small interfering RNA precursors in a distinct small RNA biogenesis pathway. It is also involved in the production of 21-nt primary siRNAs from both inverted-repeat constructs and endogenous sequences, as well as the RDR6-dependent 21-nt secondary siRNAs involved in long-range cell-to-cell signaling. It binds DRB4, a ds-RNA binding protein.
Synonyms:	DCL4, ATDCL4, DICER-LIKE 4
Immunogen:	KLH-conjugated synthetic peptide of DCL4 protein derived from <i>Arabidopsis thaliana</i> AT5G20320.
Form:	Lyophilized
Quantity:	150 µg
Purification:	Serum Peptide affinity form antibody available upon request at info@phytoab.com .
Reconstitution:	Reconstitution with 150µl 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.
Reference:	Paul Hoffer, et al., PNAS, January 4, 2011, vol. 108, no. 1, 409–414.

Application Information

Applications:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected Results:	191 kDa

Research Use Only

Confirmed Reactivity:

Arabidopsis thaliana

Predicted Reactivity:

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