

Anti-Double-stranded RNA-binding protein 1 antibody

Catalog: PHY3838S

Product Information

Description:	Rabbit polyclonal antibody
Background:	Hyponastic leave 1 (HYL1, AT1G09700) is a double-stranded RNA-binding protein with 419 amino acids. HYL1 contains two double-stranded RNA (dsRNA) binding motifs, a nuclear localization motif, and a C-terminal repeat structure suggestive of a protein-protein interaction domain. HYL1 forms a complex with DICER-LIKE1 (DCL1, AT1G01040) and SERRATE (SE, AT2G27100) to process primary miRNA (pri-miRNA) into mature miRNA. It has been reported that HYL1 regulates the phase transition, establishment of stamen, and the adaxial–abaxial identity of leaf in <i>Arabidopsis</i> by controlling the biogenesis of different miRNA families.
Synonyms:	HYL1, ATDRB1, DRB1, DSRNA-BINDING PROTEIN 1, HYPONASTIC LEAVES 1
Immunogen:	KLH-conjugated synthetic peptide (15 aa from Central section) derived from <i>Arabidopsis thaliana</i> HYL1 (AT1G09700).
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.

Application Information

Recommended Dilution: Western Blot (1:1000-1:2000)

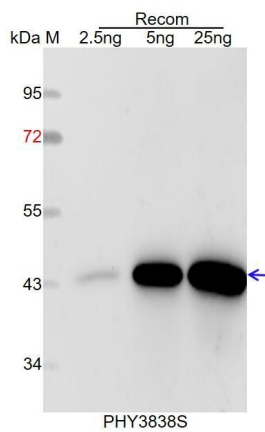
Research Use Only

Note: Optimal dilutions/concentrations should be determined by the end user.

Expected / apparent MW: 46 kDa

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

Application Example



Recom: 2.5 ng, 5 ng and 25 ng recombinant protein containing the peptide for immunization and having a molecular mass of 44 kDa.

Electrophoresis: 12% SDS-PAGE

Transfer: blotting to NC (nitrocellulose) membrane for 1 h.

Blocking: 5% skim milk at RT or 4°C for 1 h.

Primary antibody: 1:1000 dilution overnight at 4°C.

Secondary antibody: 1:10000 dilution using Goat Anti-Rabbit IgG H&L (HRP) (Cat# PHY6000).

Detection: using chemiluminescence substrate and image were captured with CCD camera.