Anti-Argonaute 1 antibody

Catalog: PHY1300S

Product Information

Description:	Rabbit polyclonal antibody
Background:	AGO1 belongs to a group of argonaute proteins which are catalytic component of the RNA-incudes silencing complex (RISC). This protein complex is responsible for the gene silencing (RNAi). In plants, ten AGOs have been identified in the model plant *Arabidopsis thaliana*: AGO1 (AT1G48410); AGO2 (AT1G31280); AGO3 (AT1G31290); AGO4 (AT2G27040); AGO5 (AT2G27880); AGO6 (AT2G32940); AGO7 (AT1G69440); AGO 8(AT5G21030); AGO9 (AT5G21150); AGO10 (AT5G43810).
Synonyms:	AGO1, ATAGO1, ICU9
Immunogen:	KLH-conjugated synthetic peptide (15 aa from C terminal section) derived from Arabidopsis thaliana AGO1 (AT1G48410).
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℃ as supplied. 6 months, -20 to -70℃ under sterile conditions after reconstitution. 1 month, 2 to 8℃ under sterile conditions after reconstitution.
Shipping:	The product is shipped at 4℃. 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:	116 kDa

Confirmed Reactivity: *Arabidopsis thaliana*

Predicted Reactivity: Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in *Brassica napus, Brassica rapa, Panicum virgatum, Gossypium raimondii, Cucumis sativus, Zea mays, Setaria viridis, Vitis vinifera, Sorghum bicolor, Oryza sativa, Spinacia oleracea*.
For more species homologues information, please contact tech support at tech@phytoab.com.