Anti-Subtilisin-like protease SBT1.2 antibody

Catalog: PHY0909A

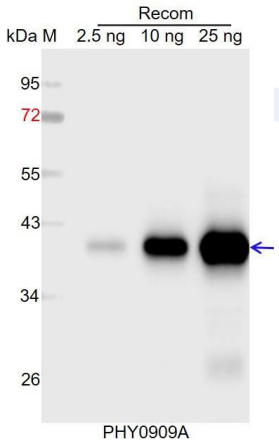
Product Information

Description:	Rabbit polyclonal antibody
Background:	SDD1 is identified as a mutation affecting stomatal development and distribution. It is similar to serine proteases. Serine protease involved in the negative regulation of stomatal density and distribution. Research shows that SDD1 generates an extracellular signal by meristemoids/guard mother cells and the function of SDD1 is dependent on TMM activity.
Synonyms:	SDD1, ATSDD1, STOMATAL DENSITY AND DISTRIBUTION 1
Immunogen:	KLH-conjugated synthetic peptide (15 aa from C terminal section) derived from *Arabidopsis thaliana* SDD1 (AT1G04110).
Form:	Lyophilized
Quantity:	150 μg
Purification:	Immunogen affinity purified
Reconstitution:	Reconstitution with 150 μl of 0.01 M sterile PBS. "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.
Reference:	Uritza von Groll, et al., Plant Cell 2002, 14; 1527-1539.

Application Information

Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	84 kDa
Predicted Reactivity:	For more species homologues information, please contact tech support at tech@phytoab.com.

Application Example



Recom: 2.5 ng, 10 ng and 25 ng recombinant protein containing the peptide for immunization and having a molecular mass of 40 kDa.

Electrophoresis: 12% SDS-PAGE

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

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

Primary antibody: 1:1000 dilution overnight at 4℃.

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.