

Anti-EPIDERMAL PATTERNING FACTOR-like protein 9 antibody

Catalog: PHY0990S

Product Information

Description:	Rabbit polyclonal antibody
Background:	APEPFL9 is a cysteine-rich peptide, a secretory factor that is produced in the mesophyll cells and acts on the epidermis to increase stomatal formation. Its mature form is a 45-aa peptide with three intramolecular disulfide bonds. It is proposed that APEPFL9 increases stomatal number by competing with two negative regulators of stomatal density, EPF1 and EPF2.
Synonyms:	EPFL9, APEPFL9, EPIDERMAL PATTERNING FACTOR LIKE-9, STOMAGEN
Immunogen:	KLH-conjugated synthetic peptide (15 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> EPFL9 (AT4G12970).
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) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	12 kDa

Research Use Only

Confirmed Reactivity:

Coming soon

Predicted Reactivity:

Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in *Gossypium raimondii*, *Vitis vinifera*, *Cucumis sativus*, *Brassica rapa*, *Brassica napus*, *Glycine max*, *Populus trichocarpa*, *Medicago truncatula*, *Nicotiana tabacum*, *Solanum lycopersicum*, *Solanum tuberosum*.

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