Anti-Protein FLOWERING LOCUS T antibody

Catalog: PHY0028A

Product Information

Description:	Rabbit polyclonal antibody
Background:	Flowering locus T (FT) is the major regulatory component controlling photoperiodic floral transition. It is expressed in guard cells and affects blue light-induced stomatal opening induced by the blue-light receptor phototropins phot1 and phot2. Twin sister of FT (TSF), which is the closest homolog of FT, was transcribed in guard cells, and light-induced stomatal opening was repressed in tsf-1, a T-DNA insertion mutant of TSF.
Synonyms:	FT, FLOWERING LOCUS T, REDUCED STEM BRANCHING 8, RSB8
Immunogen:	KLH-conjugated synthetic peptide (15 aa from N terminal section) derived from *Arabidopsis thaliana* FT (AT1G65480).
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.

Application Information

Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	20 kDa
Predicted Reactivity:	Among analyzed species, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Brassica*

rapa, *Brassica napus*, and 80-99% homologues with the sequence in *Nicotiana tabacum*, *Spinacia oleracea*, *Glycine max*, *Populus trichocarpa*, *Solanum tuberosum*, *Vitis vinifera*, *Gossypium raimondii*, *Medicago truncatula*.

The sequence of the synthetic peptide used for immunization is 80% homologues with the sequence in TSF (AT4G20370), BFT (AT5G62040).

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