Anti-Endoglucanase 25, N-terminal antibody

Catalog: PHY7919S

Product Information

Description:	Rabbit polyclonal antibody
Background:	KOR1 is a membrane-bound endo-1,4-beta-D-glucanase, involved in cellulose biosynthesis. During cell elongation, KOR1 is associated with Golgi apparatus and early endosome.
Synonyms:	KOR1, ATGH9A1, DEC, DEFECTIVE CYTOKINESIS, GH9A1, GLYCOSYL HYDROLASE 9A1, IRREGULAR XYLEM 2, IRX2, KOR, KORRIGAN, KORRIGAN 1, RADIALLY SWOLLEN 2, RSW2, TSD1, TUMOROUS SHOOT DEVELOPMENT 1
Immunogen:	KLH-conjugated synthetic peptide (16 aa from N terminal section) derived from *Arabidopsis thaliana* KOR1 (AT5G49720).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Serum Peptide affinity form antibody available upon request at info@phytoab.com.
Reconstitution:	Reconstitution with 150 µl 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:	69 kDa

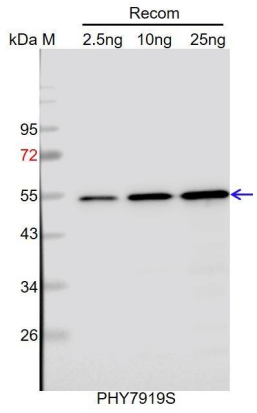
Predicted Reactivity:

Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Populus trichocarpa*, and 80-99% homologues with the sequence in *Medicago truncatula*, *Brassica rapa*, *Brassica napus*, *Cucumis sativus*, *Gossypium raimondii*, *Glycine max*, *Vitis vinifera*, *Triticum aestivum*, *Hordeum vulgare*, *Zea mays*, *Oryza sativa*, *Panicum virgatum*, *Sorghum bicolor*, *Setaria viridis*, *Nicotiana tabacum*.

The sequence of the synthetic peptide used for immunization is 81% (13/15) homologues with the sequence in KOR3 (AT4G24260).

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 54 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.