

Anti-Cellulose synthase A catalytic subunit 8 [UDP-forming] antibody

Catalog: PHY0807S

Product Information

Description:	Rabbit polyclonal antibody
Background:	<p>CESA8 is a member of the cellulose synthase family involved in secondary cell wall biosynthesis. It mediates resistance towards bacterial pathogens via ABA and confers resistance towards bacterial and fungal pathogens, but it is independent of salicylic acid, ethylene and jasmonate signaling. The Arabidopsis contains ten CESA proteins: CESA1 (AT5G44030), CESA2 (AT4G39350), CESA3 (AT5G05170), CESA4 (AT5G44030), CESA5 (AT5G09870), CESA6 (AT5G64740), CESA7 (AT5G17420), CESA8 (AT4G18780), CESA9 (AT2G21770) and CESA10 (AT2G25540).</p>
Synonyms:	CESA8.3, ATCESA8, CELLULOSE SYNTHASE 8, CESA8, IRREGULAR XYLEM 1, IRX1, LEAF WILTING 2, LEW2
Immunogen:	KLH-conjugated synthetic peptide of CESA8.3 derived from <i>Arabidopsis thaliana</i> AT4G18780.
Form:	Lyophilized
Quantity:	150 µg
Purification:	<p>Serum</p> <p>Peptide affinity form antibody available upon request at info@phytoab.com.</p>
Reconstitution:	<p>Reconstitution with 150µl of sterile water.</p> <p>"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".</p>
Stability & Storage:	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <p>12 months from date of receipt, -20 to -70°C as supplied.</p> <p>6 months, -20 to -70°C under sterile conditions after reconstitution.</p> <p>1 month, 2 to 8°C under sterile conditions after reconstitution.</p>
Shipping:	The product is shipped at 4°C. Upon receipt, store it immediately at the temperature recommended above.
Reference:	Hill JL, et al., The Plant Cell 2014, 26; 4834–4842.

Application Information

Research Use Only

Applications:

Western Blot (1:1000-1:2000)

Note: Optimal dilutions/concentrations should be determined by the end user.

Expected Results:

112 kDa

Confirmed Reactivity:

Arabidopsis thaliana

Predicted Reactivity:

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