CESA1 (phospho T227) polyclonal antibody

Catalog # PAB15902 Size 100 ug

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of CESA1.
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding T227 of *Arabidopsis thaliana* CE SA1.
Host	Rabbit
Reactivity	Thale cress
Form	Liquid
Recommend Usage	ELISA (1:2000-1:5000) Western Blot (1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (50% glycerol, 0.01% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot
- Enzyme-linked Immunoabsorbent Assay

Gene Info — CESA1

Entrez GeneID	829376

Gene Name	CESA1
Gene Alias	CELLULOSE SYNTHASE 1, F8B4.110, F8B4_110, RADIALLY SWOLLEN 1, RSW1
Gene Description	CESA1 (CELLULOSE SYNTHASE 1); transferase, transferring glycosyl groups
Gene Ontology	Hyperlink
Gene Summary	-
Other Designations	-

Publication Reference

- Quantitative phosphoproteomics of early elicitor signaling in Arabidopsis.

  Benschop JJ, Mohammed S, O'Flaherty M, Heck AJ, Slijper M, Menke FL.

  Molecular & Cellular Proteomics : MCP 2007 Jul; 6(7):1198.

- Identification of cellulose synthase AtCesA7 (IRX3) in vivo phosphorylation sites--a potential role in regulating protein degradation.

  Taylor NG.

  Plant Molecular Biology. 2007 May; 64(1-2):161.

- Chimeric proteins suggest that the catalytic and/or C-terminal domains give CesA1 and CesA3 access to their specific sites in the cellulose synthase of primary walls.

  Wang J, Howles PA, Cork AH, Birch RJ, Williamson RE.

  Plant Physiology 2006 Oct; 142(2):685.