



Magic™ Anti-Arabidopsis thaliana CESA1 (Phospho S162) polyclonal antibody (DPAB-DC3385)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Encodes a cellulose synthase isomer. CESA1 mutants have cellulose defect in the primary cell wall. Multiple lines of evidence suggest that CESA1, along with CESA3 and CESA6 are present in the same plasma membrane complex for cellulose biosynthesis. As inferred from the null role of secondary wall-type CesAs, included in a set of five primary wall-type CesAs that may support trichome cell wall thickening.
Target	Arabidopsis thaliana CESA1
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding S162 of Arabidopsis thaliana CESA1.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Arabidopsis thaliana
Conjugate	Unconjugated
Applications	WB, ELISA,
Format	Liquid
Size	100 µg
Buffer	In PBS, pH 7.2 (50% glycerol, 0.01% sodium azide)
Preservative	0.01% Sodium Azide

Storage	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
----------------	---

GENE INFORMATION

Gene Name	CESA1 cellulose synthase A catalytic subunit 1 [UDP-forming] [Arabidopsis thaliana (thale cress)]
Official Symbol	CESA1
Synonyms	CESA1; AtCESA1; cellulose synthase 1; CELLULOSE SYNTHASE 1; CESA1; F8B4.110; F8B4_110; RADially SWOLLEN 1; RSW1; cellulose synthase A catalytic subunit 1 [UDP-forming];
Entrez Gene ID	829376
Protein Refseq	NP_194967
UniProt ID	O48946
Chromosome Location	chromosome: 4
Pathway	cellulose biosynthesis;
Function	cellulose synthase activity; molecular_function; transferase activity, transferring glycosyl groups;