

CesA4 (IRX5) | Cellulose synthase A catalytic subunit 4 [UDP-forming]

Cat PA00420

Size 50 μ l

Host

Rabbit

Clonality

Polyclonal

Confirmed reactivity

Arabidopsis thaliana, Solanum lycopersicum, Solanum tuberosum

Immunogen

Recombinant Arabidopsis thaliana IRX5 fragment, UniProt: Q84JA6, TAIR: At5g44030

Host

Rabbit

Clonality

Polyclonal

Purity

Serum

Format

Lyophilized

Reconstitution

For reconstitution add 50 μ l of sterile water

Storage

Store lyophilized/reconstituted at -20°C ; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

Application

Western blot (WB)

Recommended dilution

1 : 1000 (WB)

Expected | apparent MW

119,5 kDa

Confirmed reactivity

Arabidopsis thaliana, Solanum lycopersicum, Solanum tuberosum

Predicted reactivity

Betula luminifera, Brassica napus, Capsella rubella, Eutrema salsugineum, Gossypium hirsutum, Nelumbo nucifera, Noccaea caerulescens, Vitis vinifera

Not reactive in

Populus tremula

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Additional information

This antibody is detecting both, recombinant and endogenous CesA4 (IRX5) protein, *Oryza sativa*

Description

CesA4 (IRX5) (EC=2.4.1.12) is a catalytic subunit of xylem specific cellulose synthase involved in secondary cell wall biosynthesis - cellulose synthase terminal complex. It interacts with CESA7 and CESA8, which are necessary for the formation of functional complexes and localization at secondary cell wall deposition sites. It is expressed in young plants, stems and flowers, but not in leaves, roots and buds. The number increases as the stem matures. Synonym: Protein irregular xylem 5, IRX5, NWS2.

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