CRY1 | Cryptochrome 1

Cat *PA00777*

Size *50 µg*

CD BioSciences
Plant Protein

Host
Rabbit

Clonality
Polyclonal

Confirmed reactivity
Arabidopsis thaliana, Nicotiana tabacum

Immunogen
KLH-conjugated peptide derived from protein sequence of Arabidopsis thaliana CRY1, UniProt:Q43125, TAIR:AT4G08920

Host
Rabbit

Clonality
Polyclonal

Purity
Immunogen affinity purified serum in PBS pH 7.4.

Format
Lyophilized

Reconstitution
For reconstitution add 50 µl 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
76,6 kDa

Confirmed reactivity
Arabidopsis thaliana, Nicotiana tabacum

Predicted reactivity
Cajanus cajan, Capsella orientalis, Corchorus capsularis, Fragaria ananassa, Fragaria vesca, Gossypium hirsutum, Medicago truncatula, Nelumbo nucifera, Populus tremula, Zostera marina

Not reactive in
diatoms

Description

Address: SUITE 209, 17 Ramsey Road, Shirley, NY 11967
Tel: 1-631-637-0420
E-mail: info@cd-biosci.com
https://www.cd-biosciences.com/plant-protein/

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CRY1 (Cryptochrome 1) is a flavin-type blue light photoreceptor with ATP-binding and autophosphorylation activity that plays a role in the blue-green ratio perception of light. It regulates other light responses, including circadian rhythms, tropical growth, stomatal opening, protective cell development, root development, bacterial and viral pathogen response, abiotic stress response, cell cycle, programmed cell death, apical dominance, fruit and ovule development, seed dormancy, and magnetic acceptance. Other names: blue light photoreceptor 1, protein blue light uninhibited 1, protein elongated hypocotyl 4, protein exphase 2,OOP2.

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