

CPN60A1 | Chaperonin 60 subunit alpha 1 (chloroplastic)

Cat PA00435

Size 50 µl

Host

Rabbit

Clonality

Polyclonal

Confirmed reactivity

Arabidopsis thaliana, Arabidopsis thaliana cell culture, Cicer arietinum, Nicotiana tabacum, Phaseolus vulgaris, Pisum sativum, Zea mays

Immunogen

KLH-conjugated synthetic peptide derived from known CPN60 sequences, including Arabidopsis thaliana UniProt P21238 . TAIR AT2G28000. The peptide is conserved in chloroplastic CPN60A1 but NOT the close relative CPN60A2.

Host

Rabbit

Clonality

Polyclonal

Purity

Serum

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

57,1 kDa (mature protein)

Confirmed reactivity

Arabidopsis thaliana, Arabidopsis thaliana cell culture, Cicer arietinum, Nicotiana tabacum, Phaseolus vulgaris, Pisum sativum, Zea mays

Predicted reactivity

Aegilops squarrosa, Avicennia marina, Brassica napus, Canavalia lineata, Narcissus pseudonarcissus, Oryza sativa, Ricinus communis, Trifolium pratense, Triticum aestivum

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Not reactive in

Cyanobacteria, algae

Additional information

The antibody will work on loads from 5 μ g/well

Description

CPN60 α 1 (chaperone 60 subunit α 1, chloroplast) binds to the size subunit of Rubisco. Assists in protein folding and is necessary for chloroplast development. Synonym :SCHLEPPERLESS protein, RuBisCO large subunit binding protein subunit α 1.

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