

DISCONTINUED COXII | Cytochrome oxidase subunit II (200 µg)

Cat PA00226

Size 200 µg

Host

Rabbit

Clonality

Polyclonal

Confirmed reactivity

Arabidopsis thaliana (leaf extract and isolated mitochondria), *Brassica oleracea*, *Plantago major*, *Plantago euryphylla*, *Silene uniflora*, *Silene dioica*

Immunogen

KLH-conjugated synthetic peptide fully conserved in all available protein sequences from eudicots including *Arabidopsis thaliana* AtmG00160, monocots including *Oryza sativa*P04373 and *Physcomitrella patens* Q1XGA9

Host

Rabbit

Clonality

Polyclonal

Purity

Immunogen affinity purified serum in PBS pH 7.4.

Format

Lyophilized

Reconstitution

For reconstitution add 130 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

29.4 | 30 kDa (for *Arabidopsis thaliana*)

Confirmed reactivity

Arabidopsis thaliana (leaf extract and isolated mitochondria), *Brassica oleracea*, *Plantago major*, *Plantago euryphylla*, *Silene uniflora*, *Silene dioica*

Predicted reactivity

Glycine max, *Oryza sativa*, *Physcomitrium patens*, *Pisum sativum*, *Zea mays*

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Not reactive in

No confirmed exceptions from predicted reactivity are currently known

Additional information

Cellular [compartment marker] of mitochondrial inner membraneAntibody detects COXII protein in total leaf extracts and isolated mitochondria.

Description

Cytochrome c oxidase (COX) catalyzes the reduction of oxygen to water in the respiratory chain within the mitochondrial membrane. Subunits 1-3 form the functional core of the enzyme complex. Subunit 2 (COXII) transfers electrons from cytochrome c to the bimetallic center of catalytic subunit 1 through the binuclear copper A center.

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