

This product is for research use only (not for diagnostic or therapeutic use)

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Product no AS04 053A

Anti-COXII | Plant Cytochrome oxidase subunit II (affinity purified)

Product information

Immunogen KLH-conugated 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

Quantity 50 ug

Reconstitution For reconstitution add 50 μl of sterile water

Store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please Storage 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.

Additional information Cellular [compartment marker] of mitochondrial inner membrane

Application information

Recommended dilution 1:1000 (BN-PAGE), 1:1000 (WB)

Expected | apparent

29.4 | 30 kDa (for Arabidopsis thaliana)

Confirmed reactivity

Actinidia chinensis, Arabidopsis thaliana (leaf extract and isolated mitochondria), Betula nana, Brassica napus, Brassica oleracea, Cicer aretinum, Cucumis melo, Cucumis sativus, Erophorum vaginatum, Hordeum vulgare, Lilium longifolorum, Nicotiana tabacum, Picea abies, Plantago major, Plantago euryphylla, Silene uniflora, Silene dioica, Physcomitrium patens, Triticum aestivum, Triticum durum Desf., Zea mays, Vicia faba, Quercus rubra

Predicted reactivity

Cucumis melo, Glycine max, Gossypium hirsutum, Neurachne alopecuroidea, Neurachne minor, Neurachne muelleri, Oryza sativa, Physcomitrium patens, Pisum sativum, Triticum aestivum, Vigna radiata

Species of your interest not listed? Contact us

Not reactive in

Mangifera indica, Saccharina japonica

Additional information

Antibody detects COXII protein most optimally in membrane fractions. The signal is weak in a in total protein extract.

Blue Native gel electrophoresis (BN-PAGE) has been performed on samples solubilized with digitonin (4:1) and loaded at 100 µg/well. Gel thickness was 2 mm with 4.5-16 % gradient.

Selected references

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1.8 µg of total protein from (1) *Arabidopsis thaliana* leaf , (2) *Plantago major* leaf, (3) *Plantago europhylla* leaf, (4) *Silene dioica* leaf, (5) *Silene uniflora* leaf were separated on **4-12%** NuPage (Invitrogen) **LDS-PAGE** and blotted 1h to **PVDF**. Primary antibody was used in 1: 1000 dilution. Detection was performed using chemiluminescence, following manufacture's recommendations.