

Agrisera

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Product no **AS04 053A-200**

COXII | Cytochrome oxidase subunit II (200 µg)

Product information

Immunogen	KLH-conjugated synthetic peptide fully conserved in all available protein sequences from eudicots including <i>Arabidopsis thaliana</i> AtmG00160 , monocots including <i>Oryza sativa</i> P04373 and <i>Physcomitrella patens</i> Q1XGA9
Host	Rabbit
Clonality	Polyclonal
Purity	Affinity purified serum
Format	Lyophilized in PBS pH 7.4
Quantity	200 µg
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 tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.
Additional information	Cellular [compartment marker] of mitochondrial inner membrane Antibody detects COXII protein in total leaf extracts and isolated mitochondria.

Application information

Recommended dilution	1 : 1000 (WB)
Expected apparent MW	29.4 30 kDa (for <i>Arabidopsis thaliana</i>)
Confirmed reactivity	<i>Arabidopsis thaliana</i> (leaf extract and isolated mitochondria), <i>Brassica oleracea</i> , <i>Plantago major</i> , <i>Plantago euryphylla</i> , <i>Silene uniflora</i> , <i>Silene dioica</i>
Predicted reactivity	<i>Glycine max</i> , <i>Oryza sativa</i> , <i>Physcomitrella patens</i> , <i>Pisum sativum</i> , <i>Zea mays</i> Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known.
Selected references	Mika et al. (2010). Membrane-bound guaiacol peroxidases from maize (<i>Zea mays</i> L.) roots are regulated by methyl jasmonate, salicylic acid, and pathogen elicitors. <i>J Exp. Bot.</i> 61:831-841. Lang , E.G.E., S.J. Mueller, S.N.W. Hoernstein, J. Porankiewicz-Asplund, M. Vervliet-Scheebaum, R. Reski (2010). Simultaneous isolation of pure and intact chloroplasts and mitochondria from moss as basis for sub-cellular proteomics. <i>Plant Cell Reports</i> , DOI: 10.1007/s00299-010-0935-4. (open source) Leroch et al (2008). Identification of a novel adenine nucleotide transporter in the endoplasmic reticulum of <i>Arabidopsis</i> . <i>The Plant Cell</i> 20:438-451.

application example

1.8 µg of total protein from (1) *Arabidopsis thaliana* leaf, (2) *Plantago major* leaf, (3) *Plantago euryphylla* 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.

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