

product **AS03 034**

**Cyt b6 | thylakoid membrane cytochrome b6 protein, N terminal**

## product information

<b>background</b>	Multi-subunit complex of <b>cytb6/f</b> is a crucial component for the photosynthetic electron transport chain of higher plants, green algae and cyanobacteria. This complex is catalyzing oxidation of quinols and the reduction the reduction of plastocyanin. This reaction allows to establish the proton force required for the ATP synthesis. Four major subunits build the complex: the petA gene product corresponding to a c-type cytochrome (cytf), the petB gene product corresponding to a b-type/c'-type cytochrome with three haems (cyt b6), the petD gene product (subunit IV, or suIV), and the petC gene product, corresponding to the Rieske/Iron/sulfur protein.
<b>immunogen</b>	<u>KLH</u> -conjugated peptide chosen from N terminal sequence of cytb6 conserved in <i>Arabidopsis thaliana</i> <a href="#">P56773</a> and <i>Chlamydomonas reinhardtii</i> <a href="#">NP_958365.1</a>
<b>antibody format</b>	rabbit polyclonal serum, lyophilized
<b>quantity</b>	100 µl for reconstitution add 100 µl of sterile water.
<b>storage</b>	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.
<b>tested applications</b>	western blot (WB)
<b>additional information</b>	to be added when available

## application information

<b>recommended dilution</b>	1: 10 000 with standard ECL (WB)
<b>expected   apparent MW</b>	23-25 kDa
<b>confirmed reactivity</b>	<i>Arabidopsis thaliana</i> , <i>Chlamydomonas reinhardtii</i> , <i>Thalassiosira weissflogii</i> and <i>Thalassiosira pseudonana</i>
<b>predicted reactivity</b>	dicots including <i>Pisum sativum</i> , <i>Spinacia oleracea</i> and monocots including <i>Oryza sativa</i> , <i>Hordeum vulgare</i> , deciduous flowering plants <i>Populus alba</i>
<b>not reactive in</b>	<i>Synechocystis</i> sp. 6803, <i>Heterosigma akashiwo</i>
<b>additional information</b>	n.a.
<b>selected references</b>	n.a.

# Agrisera

Antibodies for research

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

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