

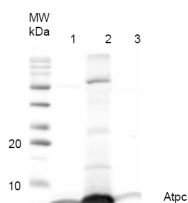
Product no **AS05 071****AtpH | ATP synthase subunit c (chloroplastic)****Product information**

Immunogen	Purified c subunit from <i>Spinacia oleracea</i> UniProt: P69447 .
Host	Rabbit
Clonality	Polyclonal
Purity	Serum
Format	Lyophilized
Quantity	200 µl
Reconstitution	For reconstitution add 200 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.

Additional information | **This product can be sold containing proclin if requested.**

Application information

Recommended dilution	1 : 1000-1 : 10 000 (WB)
Expected apparent MW	8 kDa (for <i>Arabidopsis thaliana</i>)
Confirmed reactivity	<i>Arabidopsis thaliana</i> , <i>Nicotiana benthamiana</i> , <i>Spinacia oleracea</i> , <i>Thermosynechococcus elongatus</i>
Predicted reactivity	Algae, <i>Cannabis sativa</i> , <i>Glycine max</i> , <i>Oryza sativa</i> , <i>Physcomitrium patens</i> , <i>Pisum sativum</i> , <i>Populus alba</i> , <i>Pinus thunbergii</i> , <i>Zea mays</i> , <i>Vitis vinifera</i>
	Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Additional information	Note that increased incubation at 95°C (20-30 min) prior to loading is recommended to break the multimeric c-mer structure, detection of partial ring structures (e.g. 5 or 6 subunits) may occur
Selected references	Nath et al. (2016) . A Nitrogen-Fixing Subunit Essential for Accumulating 4Fe-4S-Containing Photosystem I Core Proteins. <i>Plant Physiol.</i> 2016 Dec;172(4):2459-2470. Epub 2016 Oct 26. Lawrence et al. (2010) . Recombinant production and purification of the subunit c of chloroplast ATP synthase. <i>Protein Expression and Purification</i> 76: 15-24.

Application example

0.7 µg of purified ATP-synthase complex from *Spinacia oleracea* (CF0F1) (1), 15.3 µg of purified ATP-synthase complex (CF0F1) from *Nicotiana benthamiana* (2) and 48.6 µg of *Thermosynechococcus elongatus* thylakoid preparation (3) were separated on 12% polyacrylamide gel and blotted on PVDF membrane. Filters were blocked (0.5h), incubated with 1: 1000 anti-AtpH antibodies (1h), followed by incubation with 1: 5 000 secondary anti-rabbit antibody (1.25h), coupled to HRP and visualized with chemiluminescence detection reagent.