Agrisera
Part of Olink® Group

This product is **for research use only** (not for diagnostic or therapeutic use) **contact: support@agrisera.com**

Agrisera AB | Box 57 | SE-91121 Vännäs | Sweden | +46 (0)935 33 000 | www.agrisera.com

Product no AS14 2822

V-ATPase, a1 | vacuolar H+-ATPase subunit a isoform 1

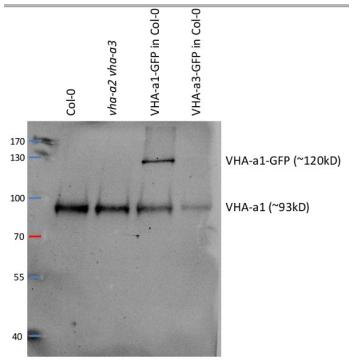
Product information

Immunogen	KLH-conjugated synthetic peptide derived from *Arabidopsis thaliana* V-ATPase subunit A, UniProt: Q8RWZ7-1, TAIR: AT2G28520
Host	Rabbit
Clonality	Polyclonal
Purity	Immunogen affinity purified serum in PBS pH 7.4.
Format	Lyophilized
Quantity	50 µg
Reconstitution	For reconstitution add 50 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 information

Recommended dilution	1 : 1000 (WB)
Expected | apparent MW	93 kDa (*Arabidopsis thaliana*)
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*Capsella rubella, Cucumis sativus, Erythranthe guttata , Glycine soja, Lupinus angustifolius, Morus notabilis, Phaseolus vulgaris , Vitis vinifera* Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Additional information	Protein or membrane sample should be treated at 70°C for 10 min before loading on the gel.

Aplication example



10 µg of microsomal membranes were isolated from 6-days-old etiolated (dark-grown) *Arabidopsis thaliana* seedlings with Extraction buffer (450mM sucrose, 50mM HEPES pH7.5, 5mM MgCl2, 1mM DTT, 1x protease inhibitor). Proteins were denaturated in SDS sample buffer for 5 min at 95°C. Proteins were separated on a 10% SDS-PAGE and blotted 1h to a nitrocellulose membrane using tank transfer. Blots were blocked with 4% dry milk in TBS-T for 2h at room temperature (RT) with agitation. Blot was incubated in the primary antibody (#AS14 2822) at a dilution of 1:1000 in blocking buffer for 16h with agitation. The antibody solution was decanted and the blot was rinsed briefly twice, then washed 3 times for 15 min in TBS-T at RT with agitation. Blot was incubated in secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated, from Agrisera #AS09 602) diluted to 1:25 000 in blocking buffer for 2h at RT with agitation. The blot was washed as above and developed for 3 min with ECL according to the manufacturer's instructions peqlab AceGlow Kit & INTAS digital imager. Exposure time was 3 min.

Courtesy of Fabian Fink, University Heidelberg, Germany