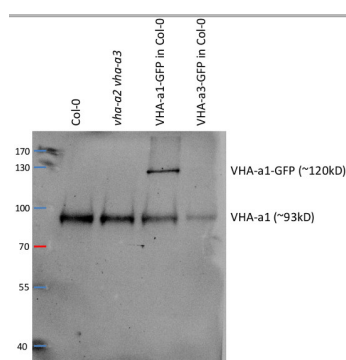


Product no **AS14 2822****V-ATPase, a1 | vacuolar H<sup>+</sup>-ATPase subunit a isoform 1****Product information**

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

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

**Application 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 MgCl<sub>2</sub>, 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