**Agrisera**

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

**product AS09 499**  
V-ATPase, H | vacuolar H+-ATPase subunit H

**product information**

**Background**  
V-ATPase is an enzyme responsible for acidification of intracellular compartments. Subunit H is part of the peripheral V1 complex. Alternative name: vacuolar proton pump subunit H, vacuolar H(+)-ATPase subunit H

**Immunogen**  
KLH-conjugated synthetic peptide conserved in *Arabidopsis thaliana* V-ATPase subunit H Q9LX65, At3g42050

**Host**  
Rabbit

**Clonality**  
Polyclonal

**Purity**  
Serum

**Format**  
Lyophilized

**Quantity**  
100 µl

**Reconstitution**  
For reconstitution add 100 µl of sterile water.

**Storage**  
Store lyophilized/reconstituted at -20°C; 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 material adhering to the cap or sides of the tubes.

**Tested applications**  
ELISA (ELISA), Western blot (WB)

**Related products**  
collection of antibodies to vacuolar proteins

- **AS09 466** | anti-V-ATPase subunit a | vacuolar H+ ATPase, subunit a
- **AS09 467** | anti-V-ATPase subunit A | vacuolar H+-ATPase
- **AS09 503** | anti-V-ATPase, B | vacuolar ATP synthase subunit beta
- **AS09 468** | anti-V-ATPase subunit c | vacuolar H+-ATPase, subunit c (16 kDa)
- **AS09 497** | anti- V-ATPase subunit D | V-type proton ATPase subunit D
- **AS07 213** | anti-V-ATPase subunit E of tonoplast H+ATPase

**Plant protein extraction buffer**

**Additional information**  
0.1 % sodium azide is added as preservative. For antibody re-suspending information check the tube lable.

Antibodies will detect target protein in a few µg of a crude preparation loaded per well. If purified preparations of vacuolar and plasma membranes are used, one µg load per well should be sufficient.

**Application information**

**Recommended dilution**  
1 : 8000 (ELISA), 1 : 2000 (WB)

**Expected | apparent MW**  
50 kDa

**Confirmed reactivity**  
*Arabidopsis thaliana*

**Predicted reactivity**  
*Chlamydomonas reinhardtii, Hordeum vulgare, Oryza sativa, Picea sitchensis, Populus balsamifera subsp. trichocarpa, Spinacia oleracea*

**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.
Diluted antibody solution can be used 2 to 3 times within one month if it contains 0.1 % sodium azide as preservative and is stored at -20°C to -80°C.