

product **AS09 499**

V-ATPase, H | vacuolar H⁺-ATPase subunit H

product information

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| 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 | <u>KLH</u> -conjugated synthetic peptide conserved in <i>Arabidopsis thaliana</i> V-ATPase subunit H <u>Q9LX65</u> |
| antibody format | rabbit polyclonal, serum, |
| quantity | 100 µl |
| storage | store 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) |
| additional information | 0.1 % sodium azide is added as preservative. For antibody re-suspending information check the tube label. 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. Protocol of isolation of vacuolar membranes can be found here . |

application information

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| recommended dilution | 1: 8000 (ELISA), 1: 2000 with standard ECL (WB) |
| expected apparent MW | 50 kDa |
| confirmed reactivity | <i>Arabidopsis thaliana</i> |
| predicted reactivity | dicots including: <i>Spinacia oleracea</i> , monocots including: <i>Hordeum vulgare</i> , <i>Oryza sativa</i> , trees: <i>Picea sitchensis</i> , <i>Populus balsamifera subsp. trichocarpa</i> , algae: <i>Chlamydomonas reinhardtii</i> |
| not reactive in | no confirmed exceptions from predicted reactivity known in the moment |
| 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. |

■ Manufactured by Operon Biotechnologies.

selected references ■ to be added when available