Agrisera
Part of Olink® Group

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

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Product no AS10 1165

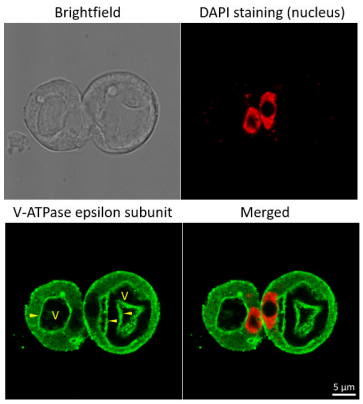
Donkey anti-Rabbit IgG (H&L), DyLight® 488 conjugated, min, cross-reactivity to bovine, chicken, goat, guinea pig, hamster, horse, human, mouse, rat, sheep IgG

Product information

Immunogen	Purified Rabbit IgG, whole molecule
Host	Donkey
Clonality	Polyclonal
Purity	Immunogen affinity purified donkey IgG.
Format	Lyophilized
Quantity	1 mg
Reconstitution	For reconstitution add 1,1 ml of sterile water, Let it stand 30 minutes at room temperature to dissolve, Prepare fresh working dilutions daily
Storage	Store lyophilized material at 2-8°C. Product is stable for 4 weeks at 2-8°C after rehydration. For long time storage after reconstitution, dilute the antibody solution with glycerol to a final concentration of 50% glycerol and store as liquid at -20°C, to prevent loss of enzymatic activity. For example, if you have reconstituted 1 mg of antibody in 1,1 ml of sterile water add 1,1 ml of glycerol. Such solution will not freeze in -20°C, If you are using a 1:5000 dilution prior to diluting with glycerol, then you would need to use a 1:2500 dilution after adding glycerol. Prepare working dilution prior to use and then discard. Be sure to mix well but without foaming.
Additional information	Conjugate is present in 10 mM Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 1 % (w/v) BSA, Protease/IgG free. 0.05 % (w/v) sodium azide is added as preservative. Based on immunoelectrophoresis, this antibody reacts with: heavy ( ) chains on rabbit IgG, light chains on all rabbit immunoglobulins No reactivity is observed to: non-immunoglobulin rabbit serum proteins, IgG from bovine, chicken, goat, guinea pig, hamster, horse, human, mouse, rat or sheep

Application information

Recommended dilution	1 : 20-1 : 2000 for most applications



Immunofluorescent localization of V-ATPase epsilon subunit of tonoplast H+ATPase in suspension culture of *Oryza sativa* ssp. japonica cv. 'Unggi 9', using goat anti-V-ATPase, epsilon subunit of tonoplast antibodies (AS07 213) and donkey anti-rabbit IgG, DyLight® 488 conjugated (AS10 1165, Agrisera). Vacuolar membrane, tonoplast, is highlighted by yellow arrowheads. DAPI staining of nuclei is pseudocolored red.

Method

Material: Suspension cultures of *Oryza sativa* ssp. japonica cv. 'Unggi 9
Fixation: Packed cell volume to fixer ratio: 250 µl : 5ml
Fixer composition and buffer: 4% (w/v) paraformaldehyde (freshly prepared as 8% stock and 0.2 µm filtered) 0.01% (v/v) Triton-X100 in Phosphate Buffered Saline (PBS), pH 7.4 (2x stock, 0.2 µm filtered) Container and method: in 6 cm Petri dish, gentle shaking at room temperature (RT) Duration: 40 min
Hydrophilization: No
Cell wall digestion: Yes Packed cell volume to enzyme ratio: 100ul : 2ml Enzyme composition: 1% (A) 1.2% (R) Cellulase (chromatically purified, powder, Worthington) 1% (A) 1.2% (R) Pectinase (protease free, liquid, Sigma) Buffer: 0.5% (w/v) MES buffer, pH 5.6 Container and method: in 2 ml microfuge tube by rolling at room temperature (RT)
Duration: 60 min

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Membrane permeabilization: Triton-X100 (0.35%) 7 mins/RT
Antigen retrieval: No
Blocking buffer: Fish gelatin (5% v/v) Washing buffer: PBS
Primary antibody dilution and incubation time: 1:300, ON/4°C
Secondary antibody: donkey anti-rabbit IgG, DyLight® 488 conjugated (AS10 1165, Agrisera), 1:600, 1h/RT
Co-staining of the nucleus (DAPI):
Cell wall and nucleus staining: 100 ng/ml DAPI

Courtesy of Dr. Ferhan Ayaydin, Hungarian Centre of Excellence for Molecular Medicine (HCEMM), Szeged, Hungary.