

**Product no** [AS10 1165](#)

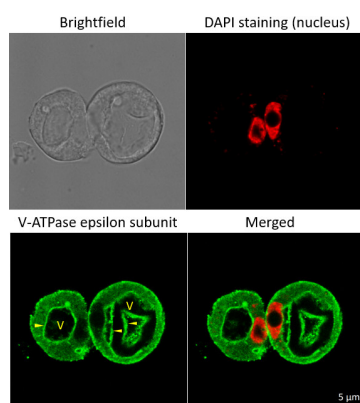
**Donkey anti-Rabbit IgG (H&L), DyLight® 488 conjugated, min, cross-reactivity to bovine, chicken, goat, guinea pig, hamster, horse, human, mouse, rat, sheep IgG**

**Product information**

<b>Immunogen</b>	Purified Rabbit IgG, whole molecule
<b>Host</b>	Donkey
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Immunogen affinity purified donkey IgG.
<b>Format</b>	Lyophilized
<b>Quantity</b>	1 mg
<b>Reconstitution</b>	For reconstitution add 1.1 ml of sterile water. Let it stand 30 minutes at room temperature to dissolve. Prepare fresh working dilutions daily
<b>Storage</b>	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.
<b>Additional information</b>	<p>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.</p> <p>Based on immunoelectrophoresis, this antibody reacts with: heavy ( ) chains on rabbit IgG, light chains on all rabbit immunoglobulins</p> <p>No reactivity is observed to: non-immunoglobulin rabbit serum proteins, IgG from bovine, chicken, goat, guinea pig, hamster, horse, human, mouse, rat or sheep</p>

**Application information**

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



Immunofluorescent localization of V-ATPase epsilon subunit of tonoplast H<sup>+</sup>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

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.