

Product information

Antibody name: anti-SppA1

Product number: P09A-2

Product description: polyclonal antibody;
contains 0.01% NaN₃

Origin: rabbit

Immunogen: recombinant SppA1 protease from
Arabidopsis thaliana

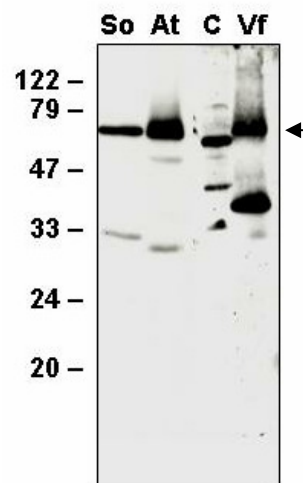
Immunodetection: Western blot (1 : 2.000 for ECL)

Immunocrossreaction: *Arabidopsis*, spinach, beans, *Chlamydomonas*; does not crossreact with *Synechocystis* sp. PCC 6803. For antibodies against *Synechocystis* SppA1 and SppA2 see the products No.: P25S-1 and P10S-1, respectively.

Storage: short term +4 °C; long term -20 °C. Repeated freezing and thawing is not recommended.

Quantity: 300 µl

Protein description: SppA1 is a 66 kDa serine-type protease found in thylakoid membranes of photosynthetic organisms. This family is represented in higher plants by one component, in most cyanobacteria – by two proteins (SppA1 and SppA2). SppA1 is a light activated protease and may be involved in the acclimation of photosynthetic membranes to high light (Lensch et al., J. Biol. Chem. 276, 33645 – 33651).



Western blot analysis of thylakoid proteins from *Spinacia olearcea* (So), *Arabidopsis thaliana* (At), *Vicia faba* (Vf) and the whole cellular proteins from *Chlamydomonas* (C) with anti-SppA1

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