

Product information

Antibody name: anti-PsaD

Product number: P18S-1

Product description: polyclonal antibody;
contains 0.01% NaN₃

Origin: rabbit

Immunogen: recombinant PsaD protein

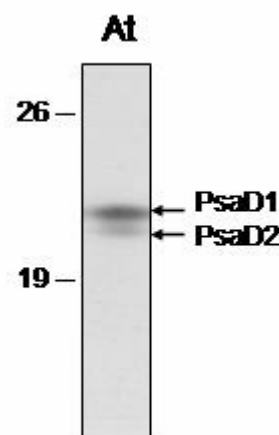
Applications: Western blot (1 : 4.000 for ECL)

Immunocrossreaction: higher plants, cyanobacteria.
Please, notice that depending on the gel system PsaD migrates (at least in *Arabidopsis thaliana*) higher than the theoretically calculated molecular mass of the protein.

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

Quantity: 100 µl

Protein description: PsaD is a ferredoxin docking subunit of photosystem I. In *Arabidopsis thaliana* this subunit is encoded by two functional genes, *psaD1* and *psaD2*. Both genes encode for PsaD1 and PsaD2 proteins with 164 and 161 amino acid residues for mature proteins, respectively. The doublet band on the gel can correspond to PsaD1 and PsaD2 proteins. The analysis of *Arabidopsis* knock-out mutants deficient in *psaD1* showed that the mutant was strongly affected in the growth rate and photosynthetic electron flow. Plants deficient in *psaD2* gene behaved similar to the wild-type plants (Ihnatowicz et al., 2004, Plant J., 37, 839 – 852).



Western blot analysis of
Arabidopsis thylakoid
proteins with anti-PsaD

For research purposes only