# Product information

***Antibody name:*** anti-cyclophilin AtCYP38

***Product number:*** I01A-1

***Product description:*** polyclonal antibody;
contains 0.01% $NaN_3$

***Origin:*** rabbit

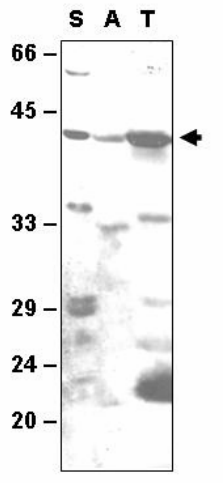
***Immunogen:*** recombinant full-length immunophilin (At3g01480; MIPS) from *Arabidopsis*

***Immunodetection:*** Western blot (1: 1.000 for ECL)

***Immunocrossreaction:*** *Arabidopsis,* tobacco, spinach; other higher plant species were not tested

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

***Quantity:*** 100 µl




Immunoblot analysis of chloroplast proteins extracted from spinach (S), *Arabidopsis* (A) and tobacco (T) with anti-cyclophilin AtCYP38

***Protein description:*** Cyclophilin AtCYP38 represents the first complex immunophilin protein identified from higher plants. The protein was initially designated as TLP40 (thylakoid lumen protein). It was suggested that AtCYP38 may be involved in the inhibition of the protein phosphatase that dephosphorylates the subunits of photosystem II. It was shown *in vitro* that the activation of the phosphatase coincides with the release of TLP40 into the thylakoid lumen (Fulgosi et al., EMBO J, 17, 1577 – 1587; Rokka et al., 2000, Plant Phys., 123, 1525 – 1535). The *Arabidopsis* genome encodes two homologous complex immunophilins, AtCYP38 and AtCYP37 (antibody products No.: I02A-1/2). The functions of these two immunophilins and the functional relationship of AtCYP38 and AtCYP37 are not studied yet.

*For research purposes only*

AntiProt
Am Klopferspitz 19a
82152 Martinsried
Germany

Tel.: +49 (0) 89 74442700
Fax: +49 (0) 721151491088
E-mail: info@antiprot.com
Website: http://www.antiprot.com

VAT number: DE252917087

Bank account
Raiffeisenbank München-Süd
BLZ 70169466
Account No.: 221600
IBAN: DE37701694660000221600
BIC: GENODEF1M03