

Product no **AS09 602-trial****Goat anti-Rabbit IgG (H&L), HRP conjugated - trial sample****Product information**

|                  |   |
|------------------|---|
| <b>Immunogen</b> | Purified Rabbit IgG, whole molecule,                      |
| <b>Host</b>      | Goat  |
| <b>Clonality</b> | Polyclonal  |
| <b>Purity</b>    | Immunogen affinity purified using solid phase rabbit IgG. |
| <b>Format</b>    | Liquid  |
| <b>Quantity</b>  | 10 µl   |
| <b>Storage</b>   | Store liquid material at 2-8°C up to 6 months.            |

**Additional information** Concentration: 1.0 mg/ml.

Antibody is provided in: 10 mM Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 1% BSA (w/v), Protease IgG free, 0.1 % (v/v) Kathon CG.

Affinity purified antibody is &gt; 95 % pure, according to SDS-PAGE.

**Application information****Recommended dilution** 1 : 50 000 - 1 : 90 000 (ELISA), 1 : 500 - 1 : 5000 (IHC), 1 : 10 000 - 1 : 50 000 (WB)**Confirmed reactivity** Based on IEP, this antibody Reacts with: Rabbit IgG heavy chains/light chains on all Rabbit immunoglobulins**Not reactive in** No confirmed exceptions from predicted reactivity are currently known**Additional information** No reactivity is observed to non-immunoglobulin rabbit serum

**Selected references**

[Migocka et al. \(2018\)](#). Cucumber metal tolerance protein 7 (CsMTP7) is involved in the accumulation of Fe in mitochondria under Fe excess. *Plant J.* 2018 Jun 22. doi: 10.1111/tpj.14006.

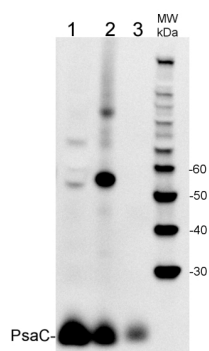
[Tong et al. \(2018\)](#). Delivery of siRNA in vitro and in vivo using PEI-capped porous silicon nanoparticles to silence MRP1 and inhibit proliferation in glioblastoma. *J Nanobiotechnology.* 2018 Apr 13;16(1):38. doi: 10.1186/s12951-018-0365-y.

[Nikkanen et al. \(2018\)](#). Regulation of chloroplast NADH dehydrogenase-like complex by NADPH-dependent thioredoxin system. *CSH, BioRxiv.* doi.org/10.1101/261560.

[Gzyl et al. \(2017\)](#). Gamma-tubulin distribution and ultrastructural changes in root cells of soybean (*Glycine max L.*) seedlings under cadmium stress. *Environmental and Experimental Botany*, Vol 143, Nov 2017, Pages 82-90.

[Kamies et al. \(2017\)](#). A Proteomic Approach to Investigate the Drought Response in the Orphan Crop *Eragrostis tef*. *Proteomes.* 2017 Nov 15;5(4). pii: E32. doi: 10.3390/proteomes5040032.

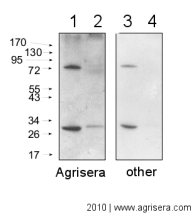
[Niederhuber et al. \(2017\)](#). Super-resolution microscopy of the  $\beta$ -carboxysome reveals a homogenous matrix. *Mol Biol Cell.* 2017 Aug 9. pii: mbc.E17-01-0069. doi: 10.1091/mbc.E17-01-0069.

This antibody is listed in first 7000 most published antibodies in the world by [CiteAB](#) report.**application example**

5 µg of total extract from (1) *Hordeum vulgare* total leaf, (2) *Zea mays* (3) *Spinacia oleracea* extracted with PEB (**AS08 300**) were separated on 4-12% NuPage (Invitrogen) **LDS-PAGE** and blotted 1h to **PVDF**. Blots were blocked immediately following transfer in 2% ECL Advance blocking

reagent (GE Healthcare) in 20 mM Tris, 137 mM sodium chloride pH 7.6 with 0.1% (v/v) Tween-20 (TBS-T) for 1h at room temperature with agitation. Blots were incubated in the primary anti-PsaC antibody ([AS04 042](#)) at a dilution of 1: 10 000 for 1h at room temperature with agitation. The antibody solution was decanted and the blot was rinsed briefly twice, then washed once for 15 min and 3 times for 5 min in TBS-T at room temperature with agitation. Blots were incubated in secondary antibody (goat anti-rabbit IgG horse radish peroxidase conjugated, AGRISERA) diluted to 1:50 000 in 2% ECL Advance blocking solution for 1h at room temperature with agitation. The blots were washed as above and developed for 5 min with ECL Advance detection reagent according to the manufacturers instructions. Images of the blots were obtained using a CCD imager (FluorSMax, Bio-Rad) and Quantity One software (Bio-Rad). Exposure time was 30 seconds.

### Comparison of Agrisera secondary antibody sensitivity



**10 µg** of mitochondrial fraction from *Arabidopsis thaliana* (**1,3**) and *Arabidopsis thaliana* leaf extract (**2,4**) were separated on 10% gel and blotted on nitrocellulose membrane using wet transfer (0.22% CAPS, pH 11). Filters were blocked (1.5h) in 5% milk in TBST (1X TBS, 0,1% Tween 20), incubated with 1: 1000 anti-COXII antibodies (2h in TBST) followed by incubation with 1: 10 000 secondary anti-rabbit (1h) HRP-coupled antibodies from **Agrisera (left panel)** and **other manufacture (right panel)** and visualized with standard ECL on Kodak autoradiography film for 5 s. Antibody in left panel detects target protein also in total cell extract (**2**) and can be used in higher dilution than applied 1: 10 000.

Agrisera goat anti-rabbit HRP conjugated antibody ([AS09 602](#)) can be used at following dilutions: 1: 50 000 -1: 90 000 (ELISA), 1 : 75 000 with enhanced ECL and 1: 25 000 with regular ECL (WB), 1: 500 -1: 5000 (IHC).