

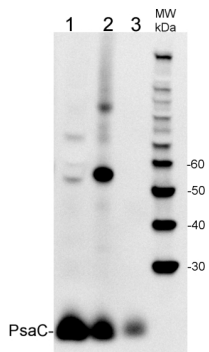
Product no **AS09 602****Goat anti-Rabbit IgG (H&L), HRP conjugated****Product information**

Immunogen	Purified Rabbit IgG, whole molecule,
Host	Goat
Clonality	Polyclonal
Purity	Immunogen affinity purified using solid phase rabbit IgG.
Format	Lyophilized
Quantity	1 mg
Reconstitution	For reconstitution, add 1.1 ml of sterile water. Let it stand 30 minutes at room temperature to dissolve. Spin centrifuge shortly to remove any particles. Prepare fresh working dilutions daily
Storage	Store lyophilized material at 2-8 °C. 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.
Additional information	<p>Concentration: 1.0 mg/ml.</p> <p>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) ProClin 150.</p> <p>Affinity purified antibody is >95% pure, according to SDS-PAGE.</p> <p>This antibody can be used on a very wide range of samples from various species including many model plants, algae, diatoms and bacteria.</p>

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 and light chains on all rabbit immunoglobulins
Not reactive in	Non-immunoglobulin rabbit serum proteins
Selected references	<p>Tiensuu et al. (2026). Downregulation of motility during stress requires stressosome input in <i>Listeria monocytogenes</i> strain EGD-e. <i>Appl Environ Microbiol.</i> 2026 Apr 3:e0253925. doi: 10.1128/aem.02539-25.</p> <p>Telara et al. (2026). Hypoxic and Fe-Responses are Regulated by the ERFVII Factors and the PCO Branch of the N-Degron Pathway According to Iron Availability. <i>Plant Cell Environ.</i> 2026 Mar 8. doi: 10.1111/pce.70466.</p> <p>Bernardo et al. (2026). Antisense reduction in NADP ME in the C4 species <i>Flaveria bidentis</i> alters stomatal sensitivity to intercellular. <i>New Phytol.</i> 2026 Feb 18. doi: 10.1111/nph.71012.</p> <p>Chang et al. (2026). Assembly and Functional Coordination of Two Families of Metabolic Organelles in <i>Salmonella</i>. <i>Microb Biotechnol.</i> 2026 Feb;19(2):e70301. doi: 10.1111/1751-7915.70301.</p> <p>Huokko et al. (2026). Differences in photosystem II activity and carbon allocation during photomixotrophic growth in distinct wild type strains of <i>Synechocystis</i> sp. PCC 6803. <i>Plant J.</i> 2026 Jan;125(2):e70683. doi: 10.1111/tj.70683.</p> <p>Carrera-Castaño et al. (2026). Membrane-associated DELLA degradation modulates growth under carbon/nitrogen imbalance. <i>Plant Cell.</i> 2026 Jan 24:koag013. doi: 10.1093/plcell/koag013.</p> <p>Titeli et al. (2025). Transcription factors PaWRKY57 and PaNAC29 regulate fruit color and growth during sweet cherry development. <i>Plant Physiol.</i> 2025 Dec 13:kiaf647. doi: 10.1093/plphys/kiaf647.</p> <p>Strandberg and Krieger-Liszka (2025). <i>Physiol Plant.</i> 2025 Nov-Dec;177(6):e70648. doi: 10.1111/pp.70648.</p> <p>Wang et al. (2025). A receptor antagonist counterbalances multiple systemin phytochemicals in tomato. <i>Cell.</i> 2025 Aug 12:S0092-8674(25)00866-9. doi: 10.1016/j.cell.2025.07.044.</p> <p>Ma et al. (2025). RACK1A positively regulates opening of the apical hook in <i>Arabidopsis thaliana</i> via suppression of its auxin response gradient. <i>Proc Natl Acad Sci U S A.</i> 2025 Jul 29;122(30):e2407224122. doi: 10.1073/pnas.2407224122.</p> <p>Dalmadi et al. (2025). Remote precursor elements can modulate RNA induced silencing complex-loading efficiency of miR168 in <i>Arabidopsis</i>. <i>Plant J.</i> 2025 May;122(3):e70195. doi: 10.1111/tj.70195.</p> <p>Kuang et al. (2025). The burning glass effect of water droplets triggers a high light-induced calcium response in the chloroplast stroma. <i>Curr Biol.</i> 2025 Jun 9;35(11):2642-2658.e7. doi: 10.1016/j.cub.2025.04.065.</p> <p>Wójtowicz et al. (2025). Shrink or expand? Just relax! Bidirectional grana structural dynamics as early light-induced regulator of photosynthesis. <i>New Phytol.</i> 2025 Jun;246(6):2580-2596. doi: 10.1111/nph.70175.</p> <p>McKenzie and Puthiyaveetil (2025). Protein phosphorylation and oxidative protein modification promote plant photosystem II disassembly for repair. <i>Plant Commun.</i> 2025 Mar 10;6(3):101202. doi: 10.1016/j.xplc.2024.101202.</p> <p>Yabrag et al. (2025). A new understanding of <i>Acanthamoeba castellanii</i>: dispelling the role of bacterial pore-forming</p>

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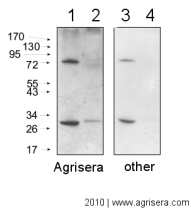
5 µg of total extract from (1) *Hordeum vulgare* total leaf, (2) *Zea mays* (3) *Spinacia oleracea* extracted with PEB (**AS08 300**) were separated on 4-12% NuPage (Invitrogen) **LDS-PAGE** and blotted 1h to **PVDF**. Blots were blocked immediately following transfer in 2% ECL Advance blocking reagent (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, AS09 602, 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 chemiluminescent 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

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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 chemiluminescent detection reagent, 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 chemiluminescence detection range of extreme low picogram and 1: 25 000 with chemiluminescence detection reagent of mid femtogram (WB), 1: 500 -1: 5000 (IHC).