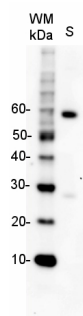


Product no **AS09 605****Rabbit anti-Goat IgG (H&L), HRP conjugated****Product information**

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| Immunogen | Purified goat IgG, whole molecule |
| Host | Rabbit |
| Clonality | Polyclonal |
| Purity | Immunogen affinity purified 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, Centrifuge to remove any particulates, 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 | Concentration: 1.0 mg/ml HRP-conjugate is supplied in 10 mM Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 10 % (w/v) BSA, Protease/IgG free with 0.1 % (v/v) of ProClin 150 as preservative. |

Application information

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| Recommended dilution | 1 : 10 000 - 1 : 50 000 (ELISA), 1 : 500 - 1 : 5000 (IHC), 1 : 10 000 - 50 000 (WB) |
| Confirmed reactivity | Goat IgG heavy and light chains on all goat immunoglobulins |
| Not reactive in | Non-immunoglobulin goat serum proteins based in immunoelectrophoresis |
| Additional information | For blocking BSA and non-fat milk is recommended to be replaced by other blocking reagents, like <u>donkey serum</u> or commercial formulations which are free from bovine IgG. |
| Selected references | <u>Sinclair</u> et al. (2017) Etiolated Seedling Development Requires Repression of Photomorphogenesis by a Small Cell-Wall-Derived Dark Signal. <i>Curr Biol.</i> 2017 Nov 20;27(22):3403-3418.e7. doi: 10.1016/j.cub.2017.09.063. |

Application example

5 µg of total extract from *Arabidopsis thaliana* leaf (**S**) 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-BiP antibody (**AS09 615**) 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, **AS09 602**) diluted to 1:50 000 in 2% blocking solution for 1h at room temperature with agitation. The blots were washed as above and developed for 5 min with chemiluminescent detection reagent in extreme low femtogram range, 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.