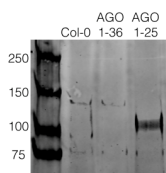


**Product no AS11 1827****Goat anti-Chicken IgY (H&L), DyLight® 800 conjugated****Product information**

<b>Immunogen</b>	purified chicken IgY, whole molecule
<b>Host</b>	Goat
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Immunogen affinity purified goat IgG.
<b>Format</b>	Lyophilized
<b>Quantity</b>	1 mg
<b>Reconstitution</b>	For reconstitution add 1,1 ml of sterile water, Let it stand 30 minutes at room temperature to dissolve, Prepare fresh working dilutions daily
<b>Storage</b>	Store lyophilized material at 2-8°C. Product is stable for 4 weeks at 2-8°C after rehydration. 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.
<b>Additional information</b>	Conjugate is present in 10 mM Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 1 % (w/v) BSA, Protease/IgG free. 0.05 % (w/v) sodium azide is added as preservative.  DyLight® 800 (Ex = 777 nm; Em = 794 nm).

**Application information**

<b>Recommended dilution</b>	1 : 50 - 1 : 5 000 (ICC), 1 : 20- 1 : 2000 (IHC)
<b>Confirmed reactivity</b>	Chicken IgY heavy and light chains (H&L)
<b>Predicted reactivity</b>	Chicken IgY Heavy and Light chains (H&L)
<b>Not reactive in</b>	No confirmed exceptions from predicted reactivity are currently known
<b>Additional information</b>	Based on immunoelectrophoresis this antibody reacts with heavy chains on chicken IgY and light chains on all chicken immunoglobulins.  No reactivity is observed to non-immunoglobulin chicken serum proteins based in immunoelectrophoresis.

**Application example**

300 µg/well of *Arabidopsis thaliana* protein from wild type and AGO1-36 knock out, AGO1 knockdown mutant (1-25) were extracted by TCA-acetone precipitation from floral tissue and saturated in 8M urea were separated on 15% SDS-PAGE (1 mm thick gel) and blotted for 1 hour to 0.2 µm nitrocellulose at 100V using wet transfer system. Blots were blocked with 0.5% cold fish gelatin for 1hr at room temp with agitation. Blot was incubated in the primary antibody at a dilution of 1:250 for an hour at RT with agitation. The blots were washed with 3X 15min TBS-TT at RT with agitation. Blots as incubated in the secondary antibody (DayLight 800®, Agrisera [AS11 1827](#)) 1:5000 dilution for 30 min. at RT with agitation and washed 1X with TBSTT for 15min, 1X with TBST for 15min before scanning with the ODyssey IRD scanner.

AGO2 is enriched in AGO1 knockdown mutant, which agrees with already published data [Harvey et al. \(2011\)](#), PLOS One.

Courtesy of Dr. Betty Chung, University of Cambridge, United Kingdom