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Product no AS11 1827

Goat anti-Chicken IgY (H&L), DyLight® 800 conjugated

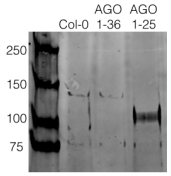
Product information

Immunogen	purified chicken IgY, whole molecule
Host	Goat
Clonality	Polyclonal
Purity	Immunogen affinity purified goat 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, Prepare fresh working dilutions daily
Storage	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.
Additional information	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

Recommended dilution	1 : 50 -1 : 5 000 (ICC), 1 : 20- 1 : 2000 (IHC)
Confirmed reactivity	Chicken IgY heavy and light chains (H&L)
Predicted reactivity	Chicken IgY Heavy and Light chains (H&L)
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Additional information	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 wilde 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 1hour 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