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Product no AS10 831

Chicken anti-Rabbit IgG (H&L), DyLight® 488 conjugated

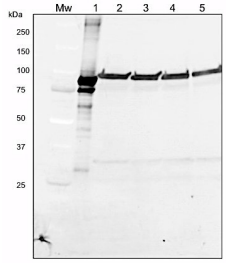
Product information

Immunogen	Purified Rabbit IgG, whole molecule
Host	Chicken
Clonality	Polyclonal
Purity	Immunogen affinity purified chicken IgY.
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. Based on immunoelectrophoresis, this antibody reacts with: heavy ( ) chains on rabbit IgG, light chains on all rabbit immunoglobulins No reactivity is observed to: non-immunoglobulin rabbit serum proteins

Application information

Recommended dilution	1 : 20-1 : 2000 for most applications
Selected references	Kovaleva et al. (2017). Regulation of Petunia Pollen Tube Growth by Phytohormones: Identification of Their Potential Targets. DOI:10.17265/2161-6256/2016.04.004. (immunolocalization)

Application example



Samples of *Arabidopsis thaliana* **(2)**, *Olea europaea* **(3)**, *Lilium Longiflorum* **(4)**, *Lupinus luteus* **(5)** were ground in liquid nitrogen to a very fine powder using a mortar and pestle and resuspended in 1.5 ml of extraction buffer (4% SDS, 2% 2-mercaptoethanol, 2 mM PMSF, 100 mM Tris-HCl pH 8.5). The samples were incubated for 3 min at 80°C. Protein suspensions were clarified by centrifugation at 13,500 g for 10 min at room temperature and the resulting supernatants were used. Total proteins (25 µg per sample) were separated by SDS-PAGE on CriterionTMTGXTM Precast Gel (Bio-Rad, USA) using CriterionTM Cell apparatus (Bio-Rad). Proteins were electroblotted onto a PVDF membrane using Trans-Blot® TurboTM Transfer Pack (Bio-Rad) in a Trans-Blot® TurboTM Transfer System (Bio-Rad). The membrane was blocked for 1 h in solution containing 1 % (w/v) non-fat dry milk in TRIS-buffered saline (TBS) buffer, pH 7.4. The membrane was incubated in the primary antibody at a dilution of 1: 1000 in TBS buffer containing 1 % (w/v) non-fat dry milk over night at 4°C with agitation. A DyLight 488 conjugated anti-rabbit IgG (AS10 831, Agrisera), diluted 1:2000 in TBS buffer for 2 h, served as the secondary antibody. The signal was detected in a Pharos FX molecular imager (Bio-Rad). Line 1 contains LOX protein from Sigma.

Courtesy of Dr. Agnieszka Zienkiewicz, CSIC, Spain