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Product no AS15 3100

Anti-DCL2 | Dicer-like protein 2

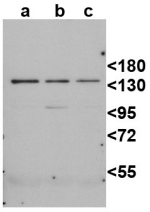
Product information

Immunogen	KLH-conjugated peptide derived from *Arabidopsis thaliana* DCL2 sequence, Uniprot: Q3EBC8, TAIR: AT3G03300
Host	Rabbit
Clonality	Polyclonal
Purity	Immunogen affinity purified serum in PBS pH 7.4.
Format	Lyophilized
Quantity	50 µg
Reconstitution	For reconstitution add 200 µl of sterile water
Storage	Store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

Application information

Recommended dilution	1 : 5000-1 : 10 000 (WB)
Expected | apparent MW	156.9 | 157 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Not reactive in	*Nicotiana tabacum, Zea mays*

application example



50 µg of total protein from *Arabidopsis thaliana* whole vegetative rosette, DCL2 overexpression line **(a)**, wild type Col-0 **(b)**, *dcl2-1* intron insertion **(c)**, extracted with extraction buffer (50 mM Tris pH7.5; 150 mM NaCl; 1 mM EDTA; 10 % v/v Glycerin; 1 mM DTT, 1x Complete Protease Inhibitor Cocktail, Roche) and denatured with laemmli buffer at 95°C/5 min. were separated on 7.5 % SDS-PAGE and blotted 1.5 h to PVDF using tank transfer. Blots were blocked with blocking buffer (5% milk powder; 1x TBS; 0.1% Tween-20) overnight at 4°C with agitation. Blot was incubated in the primary antibody at a dilution of 1:1000 for 2h at RT with agitation. The antibody solution was decanted and the blot was rinsed briefly and then washed tree times for 15 min in TBS-T at RT with agitation. Blot was incubated in secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated, from Agrisera AS09 602) diluted to 1:20 000 in blocking buffer for 1h at RT with agitation. The blot was washed as above and developed for 5 min with chemiluminescent detection reagent and expose to Amersham Hyperfilms ECL for 120 seconds.

Courtesy of Dr. Dr. Pablo Manavella, Instituto de Agrobiotecnología del Litoral (IAL), Argentina