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Product no AS15 3097

Anti-RDR2 | RNA-dependent RNA polymerase 2

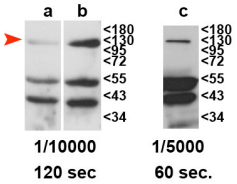
Product information

Immunogen	KLH-conjugated peptide derived from *Arabidopsis thaliana* RDR2 sequence, located towards C-terminal part of the protein, Uniprot: O82504, TAIR: AT4G11130
Host	Rabbit
Clonality	Polyclonal
Purity	Immunogen affinity purified serum in PBS pH 7.4.
Format	Lyophilized
Quantity	200 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 : 10 000 (WB)
Expected | apparent MW	129.3 | 130 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*Arabidopsis lyrata*
Not reactive in	Zea mays

Application example



50 µg of total protein from *Arabidopsis thaliana: rdr2-1* mutant, T-DNA insertion first exon **(a)**, 30 µg protein from wild-type Col-0 **(b)**, 50 µg protein from wild-type Col-0 **(c)**, extracted with extraction buffer (50 mM Tris pH 7.5; 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 1:10000 (a,b) and 1: 5000 (c) 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 exposed to Amersham Hyperfilms ECL for 20 seconds.

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