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Product no AS13 2634

Anti-PYR1 | Abscisic acid receptor RCAR11

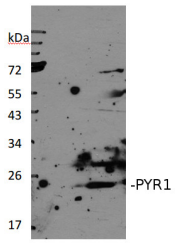
Product information

Immunogen	KLH-conjugated synthetic peptide derived from *Arabidopsis thaliana* PYR1 sequence, UniProt: Q49686, TAIR: At4g17870
Host	Rabbit
Clonality	Polyclonal
Purity	Immunogen affinity purified serum in PBS pH 7.4.
Format	Lyophilized
Quantity	50 µg
Reconstitution	For reconstitution add 50 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	21 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*Brassica* sp. Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Selected references	Barghetti et al. (2017). Heat-shock protein 40 is the key farnesylation target in meristem size control, abscisic acid signaling, and drought resistance. Genes Dev. 2017 Nov 15;31(22):2282-2295. doi: 10.1101/gad.301242.117.

Application example



150 µg of total protein from *Arabidopsis thaliana* (col-0) 2 weeks old seeldings, extracted with 50mM Tris, 150mM NaCl, 05%Triton X-100, 2mM DTT, 1mM PMSF, protease inhibitor were separated on 10 % SDS-PAGE and blotted 2h to PVDF using semi-dry. Blots were blocked with 1xTBST with nonfat milk 5% for 1h at room temperature (RT) with agitation. Blot was incubated in the primary antibody at a dilution of 1: 10 000 for 1h at RT with agitation. The antibody solution was decanted and the blot washed once for 15 min and 3 times for 5 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 1:50 000 in for 1h at RT with agitation. The blot was washed for 15 min and developed for 5 min with ECL according to the manufacturer's instructions. Exposure time was 5 min. Longer exposure time for wt samples is necessary.

Courtesy, Dr. Joanna Kufel, Institute of Genetics and Biotechnology, Warsaw University, Poland