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Product no AS16 3988

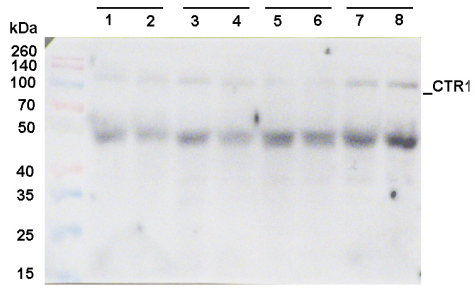
Anti-CTR1 | Constitutive triple response 1

Product information

Immunogen	KLH-conjugated peptide derived from *Arabidopsis thaliana* CTR1 protein sequence, UniProt: Q05609, TAIR: At5g03730
Host	Rabbit
Clonality	Polyclonal
Purity	Antigen 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 tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.

Application information

Expected | apparent MW	71 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Not reactive in	*Solanaceae* sp.
Additional information	This antibody is recognizing YFP-tagged CTR1.
Selected references	To be added when available. Antibody released in February 2023.



Samples:
1 – 35 µg of *Arabidopsis thaliana* Col-0 (wild type) control whole leaf extract
2 – 35 µg of *Arabidopsis thaliana* Col-0 (wild type) treated with 12% PEG whole leaf extract
3 – 35 µg of *Arabidopsis thaliana* etr1-1 mutant control whole leaf extract
4 – 35 µg of *Arabidopsis thaliana* etr1-1 mutant treated with 12% PEG whole leaf extract
5 – 35 µg of *Arabidopsis thaliana* ctr1-1 mutant control whole leaf extract
6 – 35 µg of *Arabidopsis thaliana* ctr1-1 mutant treated with 12% PEG whole leaf extract
7 – 35 µg of *Arabidopsis thaliana* 35S:NMig1 (overexpressing At5g58740) control whole leaf extract
8 – 35 µg of *Arabidopsis thaliana* 5S:NMig1 (overexpressing At5g58740) treated with 12% PEG whole leaf extract
MW marker: SpectraTM Multicolor Broad Range from Thermo Scientific

30 µg/well of total protein was extracted from frozen leaves with 100 mM Tris-HCl buffer pH 7.6 (containing 12.5% Glycerol, 20 mM -mercapthoethanol, 2 mM PMSF) and denatured with Sample Buffer at 70°C for 5 min. The proteins were separated on 10 % SDS-PAGE and blotted 1.5 h to nitrocellulose membrane (pore size of 0.45 µm), using wet transfer. Blot was blocked with 5 % milk for 2h/RT with agitation. Blot was incubated in the primary antibody at a dilution of 1: 1 000 in TBS-T containing 2% milk ON/4°C with agitation. The antibody solution was decanted and the blot was rinsed briefly twice; then washed once for 15 min and 3 times for 5 min in TBS-T at RT with agitation. Blot was incubated in Agrisera matching secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated, AS09 602) diluted to 1:25 000 in TBS-T for 1.5 h/RT with agitation. The blot was washed as above and developed for 5 min with Agrisera ECLBright (AS16 ECL-N-10). Exposure time was 10 seconds.

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Courtesy of Dr.Irina Vaseva,Laboratory 'Regulation of Gene Expression', Institute of Plant Physiology and Genetics, Bulgarian Academy of Sciences, Sofia, Bulgaria