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Product no AS23 4988

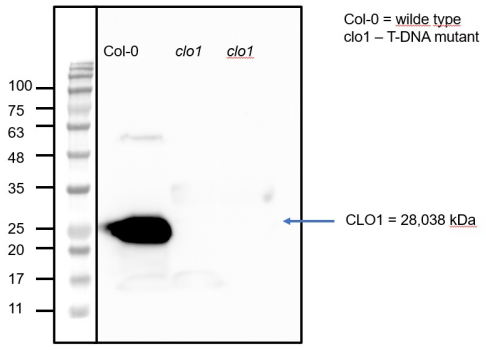
Anti-CLO1 | Caleosin-1

Product information

Immunogen	KLH-conjugated peptide derived from CLO1 protein of *Arabidopsis thaliana*, UniProt: O81270, TAIR: AT4G26740
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 or deionized 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

Recommended dilution	1 : 1000 (WB)
Expected | apparent MW	28 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*Brassica napus* Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Selected references	To be added when available. Antibody released in September 2025.



Total protein from *Arabidopsis thaliana* mature seeds were extracted with extraction buffer 100 mm Tris-HCl, pH 8.5, 4% [w/v] SDS, 2% [v/v] -mercapthoethanol, and 2 mm phenylmethylsulfonyl fluoride and separated on 12% SDS-PAGE and blotted 1h to PVDF. Blots were blocked with 5% non-fat milk in TBST for 1 h at room temperaturę with agitation. Membranes were incubated in the primary antibody at a dilution 1:1000 in 1% non-fat milk in TBST at 4°C overnight. Then, membranes were washed 3 Times for 15 min in TBST at RT with agitation. Membranes were incubated in secondary antibody (Anti-rabbit IgG horse radish peroxidase conjugated from Agrisera AS09 602) diluted to 1: 50 000 in 1% non-fat milk in TBST for 1h at RT with agitation. The blots were washed as above and developed for 5 min with ECL (Agrisera ECL Bright AS16 ECL-N) according to the manufacturer's instructions.

Courtesy Dr. Agnieszka Zienkiewicz, Dept. of Plant Physiology and Molecular Biology of Plants, Nicolaus Copernicus University, Toruń, Poland