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Product no AS20 4418

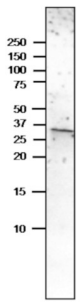
CLO3 | Caleosin-3

Product information

Immunogen	BSA-conjugated peptide, derived from N-terminus of *Arabidopsis thaliana* Caleosin 3, UniProt: O22788, TAIR: At2g33380
Host	Rabbit
Clonality	Polyclonal
Purity	Total IgG. Protein A purified in PBS, 50% glycerol. Filter sterilized.
Format	Liquid at 2 mg/ml.
Quantity	100 µg
Storage	Store 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 (WB)
Expected | apparent MW	26,6 | 30 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*Brassica napus, Camelina sativa, Capsella rubella, Raphanus sativus* Species of your interest not listed? Contact us
Not reactive in	*Poppulus* sp.
Selected references	Shimada et al. (2014). Leaf oil body functions as a subcellular factory for the production of a phytoalexin in Arabidopsis. Plant Physiol. 2014 Jan;164(1):105-18. doi: 10.1104/pp.113.230185. Shimada et al. (2010). A rapid and non-destructive screenable marker, FAST, for identifying transformed seeds of Arabidopsis thaliana. Plant J. 2010 Feb 1;61(3):519-28. doi: 10.1111/j.1365-313X.2009.04060.x



Arabidopsis thaliana senescent leaves were freshly extracted with 2x SDS-sample buffer (+ 2ME) for SDS-PAGE (crude extract) and denatured with 4X SDS buffer at 95°C for 5 min. 10 µg of protein was loaded/well and were separated on 15-20 % SDS-PAGE and blotted 1h to PVDF membrane. Blot was blocked with 3 % skim milk/TBS-T, 1h/RT with agitation. Blot was incubated in the primary antibody at a dilution of 1: 5000 in TBS-T for 1h/RT. The antibody solution was decanted and the blot was washed 4 times for 10 min in TBS-T at RT with agitation. Blot was incubated in matching secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated) diluted to 1:10 000 in for 1h/RT with agitation. The blot was washed as above and developed with a chemiluminescent detection reagent, following manufacture's recommendations.