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Agrisera AB | Box 57 | SE-91121 Vännäs | Sweden | +46 (0)935 33 000 | www.agrisera.com

Product no AS20 4412

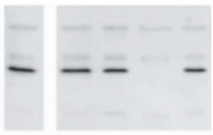
Anti-OLE1 | Oleosin 18,5 kDa

Product information

Immunogen	BSA-conjugated peptide, derived from *Arabidopsis thaliana* oleosin OLE1, UniProt: P29525, TAIR: At4g25140
Host	Rabbit
Clonality	Polyclonal
Purity	Total IgG. Protein A purified in PBS, 50% glycerol. Filter sterilized.
Format	Liquid at 2 mg/ml.
Quantity	200 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: 500 (IL), 1: 2000 (WB)
Expected | apparent MW	18.5 | 17 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*Brassica oleracea, Raphanus sativus* Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Selected references	Shimada et al. (2010). A rapid and non-destructive screenable marker, FAST, for identifying transformed seeds of Arabidopsis thaliana. (Immunolocalisation) Shimada et al. (2008). A novel role for oleosins in freezing tolerance of oilseeds in Arabidopsis thaliana. Plant J. 2008 Sep;55(5):798-809. doi: 10.1111/j.1365-313X.2008.03553.x. (Western blot)



Homogenates of dry seeds of *Arabidopsis thaliana* wild-type (left panel), oleosin-deficient mutants: ole4, ole3, ole1 and *ole2* (from left to right following wild-type) were freshly extracted with 2x SDS-sample buffer (+ 2ME) for SDS-PAGE and denatured with 4X SDS buffer at 95°C for 5 min. were separated on 15 % SDS-PAGE and blotted to PVDF membrane ON. Blot was blocked with 5 % skim milk/TBS-T, 1h/RT with agitation. Blot was incubated in the primary antibody at a dilution of 1: 2000 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.