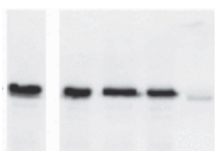


Product no **AS20 4411****Anti-OLE2 | Oleosin 21,2 kDa****Product information**

| | |
|------------------|---|
| Immunogen | Conjugated peptide, derived from <i>Arabidopsis thaliana</i> oleosin OLE2, UniProt: Q39165 , TAIR: At5g40420 |
| 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: 10 000 - 1: 20 000 (WB) |
| Expected apparent MW | 21 19 kDa |
| Confirmed reactivity | <i>Arabidopsis thaliana</i> |
| Predicted reactivity | <i>Camelina sativa</i> , <i>Capsella rubella</i> , <i>utrema salsugineum</i> . <i>Raphanus sativus</i> |
| | Species of your interest not listed? Contact us |
| Not reactive in | <i>Glycine max</i> |
| Selected references | Shimada et al. (2008) . A novel role for oleosins in freezing tolerance of oilseeds in <i>Arabidopsis thaliana</i> . <i>Plant J.</i> 2008 Sep;55(5):798-809. doi: 10.1111/j.1365-313X.2008.03553.x. |



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. 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.