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This product is **for research use only** (not for diagnostic or therapeutic use) **contact: support@agrisera.com**

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**Product no** AS24 5022

# Anti-ABA2 | ABA deficient 2

## Product information

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|---|---|
| **Immunogen** | KLH-conjugated peptide derived from *Arabidopsis thaliana* ABA2 protein sequence. UniProt: Q9C826 TAIR: AT1G52340 |
| **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

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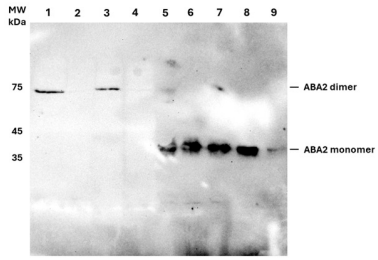
| **Recommended dilution** | 1 : 1000 (WB) |
| **Expected \| apparent MW** | 30.3 kDa |
| **Confirmed reactivity** | *Arabidopsis thaliana* |
| **Predicted reactivity** | *Brassica napus, Citrus sp., Glycine max, Gossypium sp., Malus domestica, Manihot esculenta, Medicago truncatula, Nicotiana tabacum, Phaseolus vulgaris, Pisum sativum, Populus sp., Theobroma cacao*<br><br>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 January 2025. |




Samples:
1- 10 µg of soluble protein from *Arabidopsis thalian* Col-0 leaf
2 -10 µg of soluble protein from *Arabidopsis thalian aba2-2* leaf
3 - 5 µg of soluble protein from *Arabidopsis thalian* Col-0 leaf
4 - 5 µg of soluble protein from *Arabidopsis thalian aba2-2* leaf
5 - 1 µg purified recombinant ABA2
6 - 500 ng purified recombinant ABA2
7 - 250 ng purified recombinant ABA2
8 - 100 ng purified recombinant ABA2
9 - 50 ng purified recombinant ABA2

5-10 µg/well of frozen total protein extracted from *Arabidopsis thaliana* leaves (Col-0 & *aba2-2*). Exact buffer components were: (50 mM Tris-HCl pH 8.0, 10 mM NaCl, 1% SDS, 0.1 mM DTT, 0.5% 2-mercaptoethanol) and denatured with (50 mM Tris-HCl pH 6.8, 6% glycerol, 1.5% w/v DTT, bromophenol blue) at 99 °C/5 min. Samples were separated in the cold on 10 % SDS-PAGE and blotted for 30 min at 20V to PVDF (pore size of 0.2 um), using semi-dry in the cold. Blot was blocked with 5 % milk for: 1h/RT or with agitation. Blot was incubated in the primary antibody at a dilution of 1: 1000 ON/4°C in TBS-T + 5% skim milk 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 matching secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated) diluted to 1: 25 000 in TBS-T + 5% skim milk for 1h/RT with agitation. The blot was washed as above and developed with a following chemiluminescent detection reagent. Exposure time was 5 minutes.

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Courtesy of Ben Brookbank from laboratory of prof. Eiji Nambara, University of Toronto, Canada