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**Product no AS23 4946**

# Anti-FER | Receptor-like protein kinase FERONIA

## Product information

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|---|---|
| **Immunogen** | KLH-conjugated peptide derived from FERONIA protein sequence of *Arabidopsis thaliana*, UniProt: Q9SCZ4 TAIR: AT3G51550 |
| **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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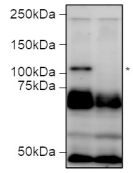
| **Recommended dilution** | 1 : 1000 (WB) |
| **Expected \| apparent MW** | 98.2 \| 86.8 kDa due to N-terminal processing |
| **Confirmed reactivity** | *Arabidopsis thaliana* |
| **Predicted reactivity** | *Arachis hypogaea, Brachypodium distachyon, Brassica napus, Capsicum annuum, Cannabis sativa, Glycine max, Gossypium, Hordeum vulgare, Malus domestica, Manihot esculenta, Medicago truncatula, Nicotania tabacum, Oryza sativa, Pisum sativum, Populus, Solanum lycopersicum, Sorghum bicolor, Spinacia oleracea, Solanum tuberosum, Theobroma cacao L, Triticum sp., Vitis vinifera, Zea mays*<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 available in June 2025. |




Samples:
1 - 50 ug of Arabidopsis thaliana whole leaf extract
2 - 50 ug of Arabidopsis thaliana fer-4 mutant

50 µg/well of total protein extracted freshly from *Arabidopsis thaliana*. Exact buffer components were: 6% glycerol, 2% SDS, 50mM Tris-HCl pH6.8, 0.004% Bromophenol blue and 1% -ME. Samples were denatured at 100 °C for 5 min, cooled down on ice, and were separated on 10% SDS-PAGE and blotted for 30 min/RT to PVDF (pore size of 0.2um), using semi-dry transfer. Blot was blocked with 5% milk 1 h/RT. Blot was incubated in the primary antibody at a dilution of 1: 1000 ON/4°C 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: 10000 in 5% milk for 1h/RT with agitation. The blot was washed as above and developed with a following chemiluminescent detection reagent. Exposure tiume was 30 seconds.

Note: Background signal can be decreased by blocking ON/4°C and incubation of anti-FER antibodies 1h/RT

Courtesy of Dr. Jinggeng Zhou, Shanghai Normal University, China