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

Product no AS22 4852

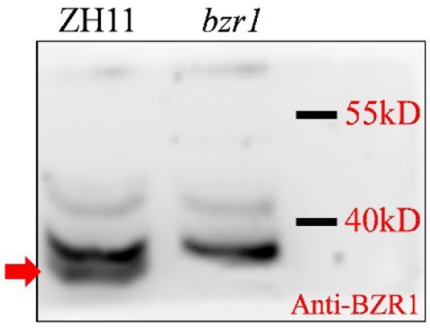
Anti-BZR1 | Brassinazole resistant 1 (Oryza sativa)

Product information

Immunogen	KLH-conjugated peptide derived from *Oryza sativa* BZR1 protein sequence, UniProt: Q7XI96
Host	Rabbit
Clonality	Polyclonal
Purity	Antigern 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.
Additional information	It is advisable to try increasing the SDS-PAGE concentration to 12% and extending the running time to separate the background bands. The antibody is also recognizing recombinant rice BZR1 protein.

Application information

Recommended dilution	1 : 1000 (WB)
Expected | apparent MW	31 kDa
Confirmed reactivity	*Oryza sativa*
Predicted reactivity	*Hordeum vulgare, Zea mays* 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 January 2025.



The total protein content of 7-day-old rice seedlings was extracted using an extraction buffer containing 50 mM Tris pH 7.5, 150 Mm NaCl, 0.5% Triton X-100, and a complete protease inhibitor (Sigma) (0.2 g of sample plus 100 ml of extraction solution). Cellular debris was removed by centrifugation at 4 , 12,000rpm for 5 minutes, and the supernatant was mixed with the 4×Laemmli buffer (250 mM Tris pH 6.8, 8% SDS, 40% glycerol, 4% -mercaptoethanol, 0.01% bromophenol blue) in a ratio of 3:1. After mixing, it is denatured at 95 for 5 minutes, followed by centrifugation at 12,000 rpm for 5 minutes. The supernatant is then for Western blotting. Proteins were separated using 10% SDS-PAGE and transferred onto polyvinylidene fluoride (PVDF) membranes, and then, the PVDF membrane was blocked with 5% milk in TBST (0.8% NaCl, 0.02% KCl, 0.3% Tris, pH 7.4, and 0.05% Tween 20) for an hour at room temperature. Excess milk was washed off with TBST. Blot was incubated in the primary antibody at a dilution of 1: 1 000 for 3 h/RT with agitation in TBST. The antibody solution was decanted and the blot was rinsed briefly, then washed three times for 15 min in TBST at RT with agitation. Blot was incubated in Agrisera matching secondary antibody (anti-rabbit IgG) diluted to 1:5 000 for 2 h/RT with agitation. The blot was washed three times for 15 min in TBST. Exposure time was 120 seconds at full resolution (Bio-Rad, ChemiDoc system).