



Rabbit anti-Arabidopsis thaliana BZR1 (C-term) Polyclonal Antibody (CABT-Z036R)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Immunogen | Antibodies were produced by immunizing animals with a GST-fusion protein containing the -terminal region of arabidopsis thaliana BZR1. |
| Isotype | IgG |
| Source/Host | Rabbit |
| Species Reactivity | Arabidopsis thaliana |
| Purification | Antigen affinity purification |
| Conjugate | Unconjugated |
| Applications | WB Recommended dilution: WB: 1:500-1:2,000 (detect endogenous protein*) |
| Molecular Weight | Predicted M.W.: 36 kDa; Observed M.W.: 53, 66 kDa |
| Preparation | Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the -terminal region of arabidopsis thaliana BZR1 (AT1G75080). |
| Format | Liquid |
| Concentration | Lot specific |
| Size | 100 µl |
| Buffer | Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN ₃ . |
| Preservative | 0.01% NaN ₃ |

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| Storage | Store at -20°C. Stable for 6 months from date of receipt. |
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| Ship | Wet ice |
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BACKGROUND

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| Introduction | BRASSINAZOLE-RESISTANT 1 (BZR1) is a transcriptional repressor that binds to the brassinosteroid (BR) response element (BRRE) 5'-CGTG(T/C)G-3' in gene promoter. BZR1 also positively regulates the brassinosteroid-signaling pathway by mediating downstream growth responses and negative feedback regulation of brassinosteroid biosynthesis. BZR1 promotes growth, and modulates ovule initiation and development by monitoring the expression of genes related to ovule development (e.g. HLL, ANT, and AP2). There is evidence for phosphorylation-dependent nucleocytoplasmic shuttling of BZR1. GSK3-like kinases (including BIN2), 14-3-3 proteins, and the phosphatase BSU1 seem to participate in this process. Phosphorylation also appears to affect BZR1's transcriptional activities. |
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| Keywords | BRASSINAZOLE-RESISTANT 1;Protein BIN2 SUBSTRATE 2;BIS2 |
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GENE INFORMATION

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| Gene Name | BZR1 |
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| Entrez Gene ID | 843845 |
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| UniProt ID | Q8S307 |
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