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## Product Datasheet

### Anti-BRI1 | Brassinosteroid insensitive 1, Rabbit, Polyclonal AGR-AS12-1859

|                          |                                                                                                                                                                                                                                                               |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Artikelname              | Anti-BRI1   Brassinosteroid insensitive 1, Rabbit, Polyclonal                                                                                                                                                                                                 |
| Artikelnummer            | AGR-AS12-1859                                                                                                                                                                                                                                                 |
| Hersteller Artikelnummer | AS12-1859                                                                                                                                                                                                                                                     |
| Alternativnummer         | AGR-AS12-1859                                                                                                                                                                                                                                                 |
| Hersteller               | Agrisera                                                                                                                                                                                                                                                      |
| Wirt                     | Rabbit                                                                                                                                                                                                                                                        |
| Kategorie                | Antikörper                                                                                                                                                                                                                                                    |
| Applikation              | IP, WB                                                                                                                                                                                                                                                        |
| Spezies Reaktivität      | A. thaliana                                                                                                                                                                                                                                                   |
| Immunogen                | KLH-conjugated synthetic peptide derived from Arabidopsis thaliana BRI1 protein, Uniprot: O22476, TAIR: AT4G39400                                                                                                                                             |
| Produktbeschreibung      | BRI1 (Protein BRASSINOSTEROID INSENSITIVE 1) is a receptor which binds brassinolide and has a dual specificity kinase activity acting on both serine/threonine- and tyrosine-containing substrates. Involved in a signaling cascade including expression o... |
| Klonalität               | Polyclonal                                                                                                                                                                                                                                                    |
| Molekulargewicht         | above 130 kDa (due to N-glycosylation)                                                                                                                                                                                                                        |
| NCBI                     | <a href="#">830095</a>                                                                                                                                                                                                                                        |
| UniProt                  | <a href="#">O22476</a>                                                                                                                                                                                                                                        |

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| Reinheit               | Immunogen affinity purified serum in PBS pH 7.4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Formulierung           | Lyophilized                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Antibody Type          | Polyclonal Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Application Verdünnung | 1 : 5000 (WB)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Anwendungsbeschreibung | <p>Antibody was tested on bri1-1 and bri1-5 mutants. Bri1-1 is a point mutation in the kinase domain that renders the protein non-functional and plants compensate for that by over-accumulating the non-functional receptor. Bri1-5 is a mutant in the extracellular domain and the bri1-5 protein is retained in the ER. The bri1-5 plants contain less protein than the wild type and show an intermediate brassinosteroid deficient phenotype. Also BRI1-5 migrates higher than wild type BRI1 in SDS-PAGE, because it carries ER-type high mannose N-glycans. For IP: 15 µl GFP-trap beads was used for 200 mg plant material to precipitate GFP-tagged protein followed by detection with Co-IPed BRI1 on Western with 1:5000 diluted anti-BRI1 antibody. Protein extraction has to be done efficiently as this step is crucial, recommended material to buffer ratio: 15 µl/µg or less.</p> |