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Product Datasheet

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

Article Name	Anti-BRI1 Brassinosteroid insensitive 1, Rabbit, Polyclonal
Biozol Catalog Number	AGR-AS12-1859
Supplier Catalog Number	AS12-1859
Alternative Catalog Number	AGR-AS12-1859
Manufacturer	Agrisera
Host	Rabbit
Category	Antikörper
Application	IP, WB
Species Reactivity	A. thaliana
Immunogen	KLH-conjugated synthetic peptide derived from Arabidopsis thaliana BRI1 protein, Uniprot: O22476, TAIR: AT4G39400
Product Description	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...
Clonality	Polyclonal
Molecular Weight	above 130 kDa (due to N-glycosylation)
NCBI	830095
UniProt	O22476
Purity	Immunogen affinity purified serum in PBS pH 7.4.

Form	Lyophilized
Antibody Type	Polyclonal Antibody
Application Dilute	1 : 5000 (WB)
Application Notes	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.