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Product no AS20 4417

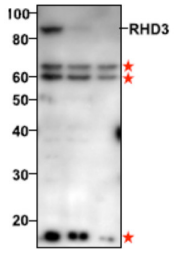
RHD3 | Protein Root Hair Defective 3 (N-terminal)

Product information

Immunogen	BSA-conjugated peptide, derived from N-terminus of *Arabidopsis thaliana* RHD3, UniProt: P93042, TAIR: At3g13870
Host	Rabbit
Clonality	Polyclonal
Purity	Total IgG. Protein A purified in PBS, 50% glycerol. Filter sterilized.
Format	Liquid at 2 mg/ml.
Quantity	200 µg
Storage	Store at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

Application information

Recommended dilution	1:100 -1: 200 (WB)
Expected | apparent MW	89 | 90 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*Apostasia shenzhenica, Artemisia annua, Brassica rapa, Capsicum annuum, Dichanthelium oligosanthes, Hibiscus syriacus, Mucuna pruriens, Panicum hallii, Phoenix dactylifera, Tanacetum cinerariifolium, Triticum urartu, Zea mays, Vitis vinifera* Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Selected references	Ueda et al. (2016). Phosphorylation of the C Terminus of RHD3 Has a Critical Role in Homotypic ER Membrane Fusion in Arabidopsis. Plant Physiol. 2016 Feb;170(2):867-80. doi: 10.1104/pp.15.01172.



Arabidopsis thaliana 7 days-old seedlings of wilde-type **(1)**, *rhd3-1* mutant **(2)**, *rhd3-2* mutant **(3)** were freshly extracted with 2x SDS-sample buffer (+ 2ME) for SDS-PAGE and denatured with 4X SDS buffer at 95°C for 5 min. were separated on 15-20 % SDS-PAGE and blotted 1h to PVDF membrane. Blot was blocked with 3 % skim milk/TBS-T, 1h/RT with agitation. Blot was incubated in the primary antibody at a dilution of 1: 100 in TBS-T for 1h/RT. The antibody solution was decanted and the blot was washed 4 times for 10 min in TBS-T at RT with agitation. Blot was incubated in matching secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated) diluted to 1:10 000 in for 1h/RT with agitation. The blot was washed as above and developed with a chemiluminescent detection reagent, following manufacture's recommendations.

Aterisks indicate non-specific bands, which may be blocked away by modification of blocking conditions.