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Product no AS11 1792

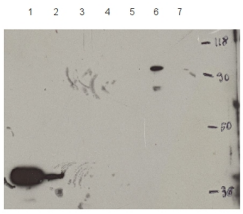
Anti-HDT1 | Histone deacetylase

Product information

Immunogen	Recombinant part of *Arabidopsis thaliana* HDT1 Q9FVE6, At3g44750
Host	Rabbit
Clonality	Polyclonal
Purity	Immunogen affinity purified serum in PBS pH 7.4.
Format	Liquid
Quantity	50 µg
Storage	Store lyophilized/reconstituted 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.
Additional information	Antibody is present in PBS + 50 % glycerol and 0,01 % of sodium azide as preservative of bacterial growth

Application information

Recommended dilution	1 : 1000 (WB)
Expected | apparent MW	26.4 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Not reactive in	*Gossipium* sp.
Selected references	Derbyshire et al. (2015). Proteomic Analysis of Microtubule Interacting Proteins over the Course of Xylem Tracheary Element Formation in Arabidopsis. Plant Cell. 2015 Oct 2. pii: tpc.15.00314.



50 µg of *Arabidopsis* T87 nuclear proteins, extracted with Nuclei Lysis Buffer (1% SDS, 50mM Tris-HCl, 10mM EDTA, Complete EDTA-free) or 50 µg of total *Arabidopsis* T87 proteins, extracted with Laemmli Buffer from grinded in liquid nitrogen material, were separated on 12 % SDS-PAGE and blotted 1,5h to PVDF membrane (WestranS 0,20 µm, Whatman). Blots were blocked with 5% fat free milk in TBST for 1h at room temperature (RT) with agitation. Blot was incubated in the primary antibody at a dilution of 1: 1 000 in 2,5% fat-free milk in TBST overnight at 40°C with agitation. The antibody solution was decanted and the blot was washed with TBST three times for 10 min. and blocked in 10% fat-free milk in TBST for 10 min. Next, blot was incubated in secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated) diluted to 1:5 000 in 5% fat-free milk in TBST for 2h at RT with agitation. The blot was washed six times for 10 min. with TBST and developed for 5 min with ECL+ (Amersham) according to the manufacturers instructions. Exposure time was 1 min.

Courtesy of Msc. Daniel Buszewicz, PAN, Poland