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Product no AS16 3968

HDT3 | Histone deacetylase HDT3

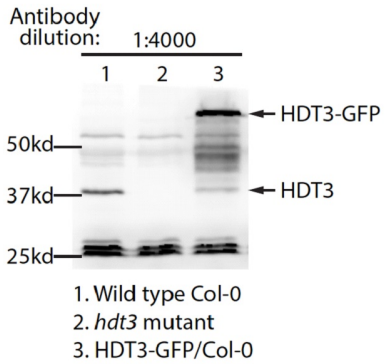
Product information

Immunogen	KLH-conjugated peptide derived from *Arabidopsis thaliana* HDT3, UniProt: Q9LZR5, TAIR: At5g03740
Host	Rabbit
Clonality	Polyclonal
Purity	Immunogen affinity purified serum in PBS pH 7.4.
Format	Lyophilized
Quantity	50 µg
Reconstitution	For reconstitution add 50 µl of sterile water
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.

Application information

Recommended dilution	1 : 4000-1 : 8000 (WB)
Expected | apparent MW	31.8 | 40 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*Noccaea caerulescens* Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Selected references	Park et. al (2018). Epigenetic switch from repressive to permissive chromatin in response to cold stress. Proc Natl Acad Sci U S A. 2018 Jun 5;115(23):E5400-E5409. doi: 10.1073/pnas.1721241115.

application example



1. Wild type Col-0
2. *hdt3* mutant
3. HDT3-GFP/Col-0

Nuclei were isolated from *Arabidopsis thaliana* leaves and resuspended with SDS loading buffer and then denatured at 95oC for 10 min. Proteins were separated on 12% SDS-PAGE and blotted 1h to nitrocellulose membrane using semi-dry or tank transfer. Blots were blocked with 3% milk in TBST for 1h at room temperature (RT) with agitation. Blot was incubated in the primary antibody at 1:4 000 dilution for 2h at RT with agitation. The antibody solution was decanted and the blot was rinsed briefly twice, then washed 3 times for 5 min in TBST at RT with agitation. Blot was incubated in radish peroxidase conjugated goat anti-rabbit IgG (AS09 602, Agrisera) diluted to 1:10 000 for 1h at RT with agitation. The blot was washed as above and developed for 1 min with chemiluminescent detection reagent. Exposure time was 100 seconds.
Note: increasing blocking to 10% milk may reduce background signal.

Courtesy of Dr. Xiangsong Cheng, Wisconsin Institute for Discovery, USA