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Product no AS16 3198

Anti-H3K9ac | Histone H3, acetylated lysine 9

Product information

Immunogen	KLH-conjugated synthetic peptide
Host	Rabbit
Clonality	Polyclonal
Purity	Immunogen affinity purified serum in PBS. Contains 0.05% sodium azide.
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 provided in PBS containing 0,05% azide and 0,05% ProClin 300

Application information

Recommended dilution	2-5 µg/IP (ChIP-seq), 1 : 20 000 (Dot), 1 : 1000 (ELISA), 1 : 500 (IF), 1 : 1000 (WB)
Expected | apparent MW	15.4 | 17 kDa
Confirmed reactivity	*Arabidopsis thaliana*, human
Predicted reactivity	*Chlamydomonas reinhardii*, mouse, *Plasmodium falciparum, Populus sp.* Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Selected references	Ali et al. (2026). A GPS2-like protein interacts with HOS15 and HDA6 to form a repressor complex that regulates ABA signaling and drought adaptation in Arabidopsis. Plant Commun. 2026 Apr 3:101843. doi: 10.1016/j.xplc.2026.101843. Bellegarde et al. (2018). Polycomb Repressive Complex 2 attenuates the very high expression of the Arabidopsis gene NRT2.1. Sci Rep. 2018 May 21;8(1):7905. doi: 10.1038/s41598-018-26349-w.

application example

Dot Blot analysis was performed to test the cross reactivity of anti-H3K9ac antibodies with peptides containing other histone modifications and the unmodified H3K9 sequence. 100 to 0.2 pmol of the respective peptides were spotted on a membrane. The antibody was used at a dilution of 1:20,000. Figure shows a high specificity of the antibody for the modification of interest. The antibody recognizes the H3K9 acetylation, both in the presence and the absence of the K14 acetylation