

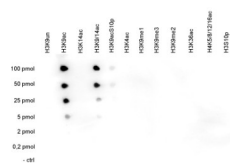
Product no **AS16 3198****H3K9ac | Histone H3, acetylated lysine 9****Product information**

<b>Immunogen</b>	KLH-conjugated synthetic peptide
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Immunogen affinity purified serum in PBS. Contains 0.05% sodium azide.
<b>Format</b>	Liquid
<b>Quantity</b>	50 µg
<b>Storage</b>	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**

<b>Recommended dilution</b>	2-5 µg/IP (ChIP-seq), 1 : 20 000 (Dot), 1 : 1000 (ELISA), 1 : 500 (IF), 1 : 1000 (WB)
<b>Expected   apparent MW</b>	15.4   17 kDa
<b>Confirmed reactivity</b>	<i>Arabidopsis thaliana</i> , human
<b>Predicted reactivity</b>	<i>Chlamydomonas reinhardtii</i> , mouse, <i>Plasmodium falciparum</i> , <i>Populus sp.</i> Species of your interest not listed? <a href="#">Contact us</a>
<b>Not reactive in</b>	No confirmed exceptions from predicted reactivity are currently known
<b>Selected references</b>	<a href="#">Bellegarde et al. (2018)</a> . Polycomb Repressive Complex 2 attenuates the very high expression of the Arabidopsis gene NRT2.1. <i>Sci Rep.</i> 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