

Product no **AS16 3935****E(z) | Histone-lysine N-methyltransferase E(z)****Product information**

Immunogen	GST-fusion with amino acids 8-190 of the <i>Drosophila melanogaster</i> E(z) protein, UniProt: P42124
Host	Rabbit
Clonality	Polyclonal
Purity	Immunogen affinity purified and depleted of anti-GST antibodies, in PBS pH 7.4.
Format	Lyophilized
Quantity	50 µg
Reconstitution	For reconstitution add 50 µl of sterile water
Storage	Lyophilized antibody can be stored at -20°C for up to 3 years. Re-constituted antibody can be stored at 4°C for several days to weeks. 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	3 µg/IP (ChIP)
Expected apparent MW	86,9 kDa
Confirmed reactivity	<i>Drosophila melanogaster</i>
Predicted reactivity	<i>Bactrocera cucurbitae</i> , <i>Bactrocera dorsalis</i> , <i>Bactrocera latifrons</i> , <i>Ceratitis capitata</i> , <i>Lucilia cuprina</i>

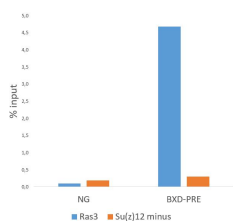
application example

Figure 1. ChIP recovery.

ChIP and qPCR analysis were done as described [Schwartz YB, Kahn TG, Nix DA, Li XY, Bourgon R, et al. (2006) Genome-wide analysis of Polycomb targets in *Drosophila melanogaster*. *Nat Genet* 38: 700–705. doi: 10.1038/ng1817]. Chromatin from Su(z)12 mutant cell line (Kahn T. et al, submitted) served as a negative control, chromatin from Ras3 cells served as a positive control. Quantitative PCR was performed with primers specific for BXD-PRE of Ubx gene (Polycomb target gene in repressed state), used as positive controls, and for intergenic region, used as negative control. Figure 1 shows the ChIP recovery, measured by qPCR as a % of input (the relative amount of immunoprecipitated DNA compared to input DNA). Chromatin from 5x10⁷ cells and 3mg of anti-E(z) antibody were used for each ChIP reaction.

Courtesy of Dr. Tatyana Khan, Umeå University, Sweden.