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Product no AS21 4694

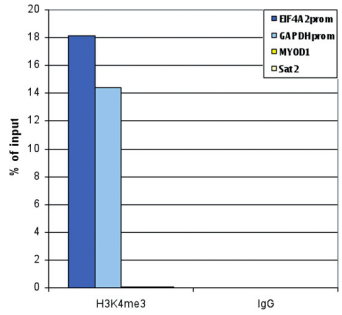
Rabbit IgG negative control for ChIP

Product information

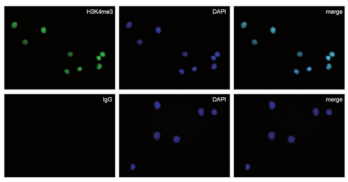
Host	Rabbit
Clonality	Polyclonal
Purity	Total IgG. Protein A purified in 2 mM phosphate, 30 mM NaCl, ph 7.8, 0.02% sodium azide. Contains sucrose for stabilization.
Format	Liquid
Quantity	250 µg at 1 µg/µl
Storage	Store at 4°C or -20°C; and make aliquots to avoid repeated freeze-thaw cycles. Please remember 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 µg (ChIP), 1: 200 (IF)



ChIP assay was done with rabbit polyclonal antibody against H3K4me3 (AS16 3190) using chromatin from sheared 1 million HeLa cells. Rabbit IgG (AS21 4694) served as a negative IP control. Amount of antibody was 1 µg/ChIP experiment. Quantitative PCR was performed with primers specific for the promoters of the active GAPDH and EIF4A2 genes, and for the inactive MYOD1 gene and the Sat2 satellite repeat. The graph shows recovery, expressed as a % of input (the relative amount of immunoprecipitated DNA compared to input DNA after qPCR analysis).



Detection of H3K4me3 on HeLa cells were stained with the rabbit polyclonal antibody against H3K4me3 (AS16 3190) (top) and with DAPI. Rabbit control IgG (AS21 4694) was used as a negative control (bottom row).
Fixation: 4% formaldehyde for 10' and blocked with PBS/TX-100 containing 5% normal goat serum and 1% BSA.
Primary antibody: anti-H3K4me3 or rabbit IgG negative control antibody (left) diluted 1:200 in a blocking solution
Secondary antibody: anti-rabbit antibody conjugated to Alexa488.
Middle panel: staining of the nuclei with DAPI.