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This product is **for research use only** (not for diagnostic or therapeutic use) **contact: support@agrisera.com**

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Product no AS21 4695

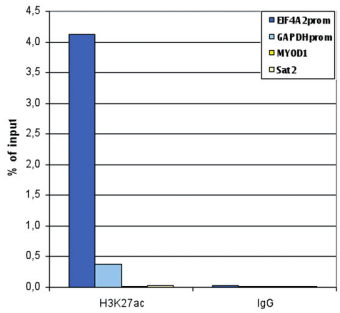
Mouse IgG negative control for ChIP

Product information

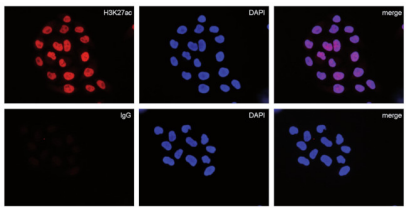
Host	Mouse
Clonality	Monoclonal
Purity	Total IgG. Protein A affinity purified in 5 mM phosphate, 75 mM NaCl, ph 7.8 with 0.06% sodium azide. Contains sucrose for stabilization.
Format	Liquid
Quantity	100 µg at 1 µg/µl
Storage	Store at 4°C or -20°C; and make aliquots to avoid repeated freeze-thaw cycles. 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: 500 (IF)



ChIP assay was done with rabbit polyclonal antibody against H3K27ac using chromatin from sheared 1 million HeLa cells. Mouse IgG (AS21 4695) 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 H3K27ac on HeLa cells were stained with the primary antibody agains H3K27ac (top) and with DAPI. Mouse control IgG (AS21 4695) 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-H3K27ac or mouse IgG negative control antibody (left) diluted 1:500 in a blocking solution
Secondary antibody: anti-rabbit antibody conjugated to Alexa594.
Middle panel: staining of the nuclei with DAPI.