

This product is for research use only (not for diagnostic or therapeutic use)

contact: support@agrisera.com

Agrisera AB | Box 57 | SE-91121 Vännäs | Sweden | +46 (0)935 33 000 | www.agrisera.com

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.

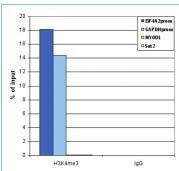
Format Liquid

Quantity 250 μg at 1 μg/μl

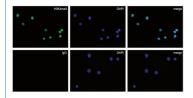
Storage Store at 4°C or -20°C; and make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

Application information

Recommended dilution 1 μg (ChIP), 1: 200 (IF)



ChIP assay was done with rabbit polyclonal antibody against H3K4me3 (<u>AS16 3190</u>) using chromatin from sheared 1 million HeLa cells. Rabbit IgG (<u>AS21 4694</u>) 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 (<u>AS16 3190</u>) (top) and with DAPI. Rabbit control IgG (<u>AS21 4694</u>) 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.