

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

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Product no AS16 3184

Anti-H3K27me3S28p | Histone H3 (trimethylated Lys27, p Ser28)

Product information

Immunogen KLH-conjugated synthetic peptide

Host Rabbit

Clonality Polyclonal

Purity Immunogen affinity purified serum.

Format Liquid

Quantity 50 μg

Storage

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

This antibody preparation is provided in 20 mM Potassium Phosphate pH 7,2, 150 mM NaCl, 0,01% sodium azide and 30% glycerol

Application information

Recommended dilution 2-5 μg/million cells (ChIP), 1:500-1:1000 (Dot), 1:200 (IF), 1:500 (WB)

Expected | apparent MW

Confirmed reactivity Human

Predicted reactivity Caenorhabditis elegans, Chicken, Drosophila melanogaster, Mouse, Plant, Rat, Xenopus sp.

Not reactive in No confirmed exceptions from predicted reactivity are currently known

application example



Chromatin Immunoprecipitation: using anti-H3K27me3S28p antibodies. Chromatin from one million formaldehyde cross-linked HeLa cells was used with 2 µg of H3K27me3S28p and 20 µl of magnetic IgG beads per immunoprecipitation. A no antibody (No Ab) control was also used. Immunoprecipitated DNA was quantified using quantitative PCR and normalized to the input chromatin.



Dot Blot: using anti-H3K27me3S28p antibodies. Lane 1: S28p/K27 unmodified. Lane 2: S28p N-Term. Lane 3: S28p C-term. Lane 4: K27Me3. Lane 5: S28p/K27Me3. Load: 1, 10, and 100 picomoles of peptide. Primary antibody at 1 μg/ml for 45 min at 4 °C. Secondary antibody: Dylight®488 rabbit secondary antibody at 1:10 000 for 45 min at RT.



Immunofluorescence: using anti-H3K27me3S28p antibodies. Tissue: HeLa cells. Fixation: 0.5% PFA. Primary antibody used at a 1:200 dilution for 1 h at RT. Secondary antibody: Dylight @488 secondary antibody at 1:10 000 for 45 min at RT. Localization: Histone H3K27me3S28p is nuclear and chromosomal. Staining: Histone H3K27me3S28p is expressed in green, nuclei and alpha-tubulin are counterstained with DAPI (blue)



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and Dylight®550 (red).



Western Blot: using anti-H3K27me3S28p antibodies. Lane 1: HeLa histone extracts. Lane 2: NIH-3T3 histone extracts. Lane 3: C. elegans embryo cell lysate. Load: 30 μ g per lane. Primary antibody used at 1 μ g/ml overnight at 4°C. Secondary antibody: IRDye800TM rabbit secondary antibody at 1:10 000 for 45 min at RT.