

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 AS16 3182

Anti-H3K18me2 | Histone H3 (dimethylated Lys18)

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 : 1000 (Dot), 1 : 500 (IF), 1 : 100 (IHC), 1 : 500 (WB)

Expected | apparent 15 kDa

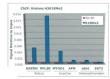
MW 15 KL

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

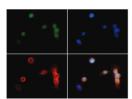
application example



Chromatin Immunoprecipitation using anti-H3K18me2 antibodies. Chromatin from one million formaldehyde cross-linked Hela cells was used with 2 µg of H3K18me2 antibody and 20 µl of magnetic IgG beads per immunoprecipitation. A no antibody (No Ab) control was also used. Immunoprecipitated DNA was quantified using real-time PCR and normalized to the input chromatin.



Dot Blot using anti-H3K18me2 antibodies. Lane 1: K18 unmodified. Lane 2: K18Me2. Lane 3: K18Me3. Lane 4: K18ac. Lane 5: K18Me1. Load: 0.1, 0.3, and 1 picomoles of peptide. Primary antibody used at a 1:1 000 dilution 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-H3K18me2 antibodies. Tissue: HeLa cells. Fixation: 0.5% PFA. Primary antibody used at a 1:500 dilution for 1 h at RT. Secondary antibody: Dylight® 488 secondary antibody at 1:10 000 for 45 min at RT. Localization: Histone H3K18me2 is nuclear and chromosomal. Staining: Histone H3K18me2 is expressed in green, nuclei and alpha-tubulin are counterstained with DAPI (blue) and Dylight® 594 (red).



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



Western Blot using anti-H3K18me2 antibodies. 30 μg of NIH-3T3 histone extract. Primary antibody used at a 1:500 dilution overnight at 4°C. Secondary antibody: IRDye800TM rabbit secondary antibody at 1:10 000 for 45 min at RT.