Agrisera
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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 AS16 3174

H3T6pK9me1 | Histone H3 methylated at Lys9 (K9)

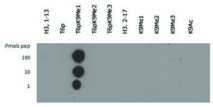
Product information

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

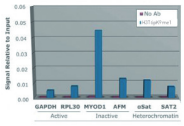
Application information

Recommended dilution	2-5 µg/million cells (ChIP), 1 : 1000 (Dot), 1 : 100 (IF), 1 : 200 (IHC), 1 : 500-1 : 1000 (WB)
Expected | apparent MW	15 kDa
Confirmed reactivity	Caenorhabditis elegans, Human
Predicted reactivity	Chicken, *Drosophila melanogaster,* Human, Mouse, Plant, Rat, *Xenopus sp.*
Not reactive in	No confirmed exceptions from predicted reactivity are currently known

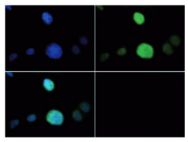
application example



Dot blot using anti-H3T6pK9me1 antibodies. Lane 1: Histone H3 1-13. Lane 2: T6p. Lane 3: T6pK9Me1. Lane 4: T6pK9Me2. Lane 5: T6pK9Me3. Lane 6: Histone H3 2-17. Lane 7: K9Me1. Lane 8: K9Me2. Lane 9: K9Me3. Lane 10: K9Ac. Load: 1, 10, and 100 picomoles of peptide. Primary antibody diluted 1:1 000 for 45 min at 4°C. Secondary antibody: Dylight®488 rabbit secondary antibody at 1:10,000 for 45 min at RT.



Chromatin Immunoprecipitation using anti-H3T6pK9me1 antibodies. Chromatin from one million formaldehyde cross-linked Hela cells was used with 2ug of H3T6pK9me1 and 20ul of magnetic IgG beads per immunoprecipitation. A no antibody (No Ab) control was also used. Immunoprecipitated DNA was quantified using quantitative real-time PCR and normalized to the input chromatin.



Immunofluorescence using anti-H3T6pK9me1 antibodies. Tissue: HeLa cells. Fixation: 0.5% PFA. Primary antibody: incubated at a 1:100 dilution for 1 h at RT. Secondary antibody: FITC secondary antibody at 1:10 000 for 45 min at RT. Localization: H3T6pK9me1 is nuclear and chromosomal. Staining: H3T6pK9me1 is expressed in green and the nuclei are counterstained with DAPI (blue).

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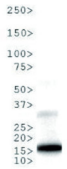
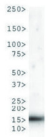
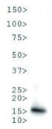


Western Blot using anti-H3T6pK9me1 antibodies. 30 µg NIH-3T3 Histone extracts. Primary antibody diluted 1:1 000 overnight at 4°C. Secondary antibody: IRDye800™ rabbit secondary antibody at 1:10 000 for 45 min at RT.



Western Blot anti-H3T6pK9me1 antibodies. 30 µg C. elegans embryo lysate. Primary antibody diluted 1:1 000 overnight at 4°C. Secondary antibody: IRDye800™ rabbit secondary antibody at 1:10 000 for 45 min at RT.



Western Blot using anti-H3T6pK9me1 antibodies. 30 µg HeLa Histone extracts. Primary antibody diluted 1:1 000 overnight at 4°C. Secondary antibody: IRDye800™ rabbit secondary antibody at 1:10 000 for 45 min at RT.