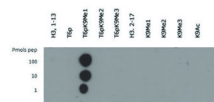
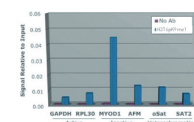
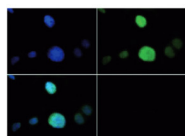


**Product no AS16 3174****Anti-H3T6pK9me1 | Histone H3 methylated at Lys9 (K9)****Product information****Immunogen** | KLH-conjugated synthetic peptide**Host** | Rabbit**Clonality** | Polyclonal**Purity** | Immunogen affinity purified serum.**Format** | Liquid**Quantity** | 50 µg**Storage** | Store lyophilized/reconstituted 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**

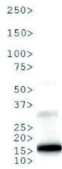
**Dot blot** using anti-H3T6pK9me1 antibodies. Lane 1: Histone H3 1-13. Lane 2: T6p. Lane 3: T6pK9Me1. Lane 4: T6pK9Me2. Lane 5: T6pK9Me3. Lane 6: Histone H3 2-17. Lane 7: K9Me1. Lane 8: K9Me2. Lane 9: K9Me3. Lane 10: K9Ac. Load: 1, 10, and 100 picomoles of peptide. Primary antibody diluted 1:1 000 for 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 2µg of H3T6pK9me1 and 20µl 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.

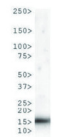


**Immunofluorescence** using anti-H3T6pK9me1 antibodies. Tissue: HeLa cells. Fixation: 0.5% PFA. Primary antibody: incubated at a 1:100 dilution for 1 h at RT. Secondary antibody: FITC secondary antibody at 1:10 000 for 45 min at RT. Localization: H3T6pK9me1 is nuclear and chromosomal. Staining: H3T6pK9me1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



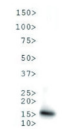
250>  
150>  
100>  
75>  
50>  
37>  
25>  
20>  
15>  
10>

**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.



250>  
150>  
100>  
75>  
50>  
37>  
25>  
20>  
15>  
10>

**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.



150>  
100>  
75>  
50>  
37>  
25>  
20>  
15>  
10>

**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.