

Agrisera

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

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product **AS16 3172** **H3K4me3T6p | H3 (trimethylated Lys4, p Thr6)**

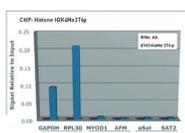
product information

Background	Methylation of lysine 4 on H3 (H3K4Me) and phosphorylation of threonine 3 (H3T3p) are known marks of transcriptional activation and mitosis. H3K4 has many known modifying enzymes (Set1, Set7/9, MLL, ASH1).
Immunogen	<u>KLH</u> -conjugated synthetic peptide
Host	Rabbit
Clonality	Polyclonal
Purity	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 tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.
Tested applications	Chromatin immunoprecipitation (ChIP), Dot blot (Dot), Immunofluorescence (IF), Immunohistochemistry (IHC), Western blot (WB)
Related products	AS16 3168 anti-H3T3pK4me1 Histone H3 (monomethyl Lys4, p Thr3), rabbit antibodies AS16 3169 anti-H3T3pK4me2 Histone H3 (dimethyl Lys4, p Thr3), rabbit antibodies AS16 3197 anti-anti-H3core, monoclonal antibodies AS15 2855 anti-H3 histone H3, chicken polyclonal antibodies AS10 710 anti-H3 histone H3, rabbit polyclonal antibodies AS10 710PRE H3 histone H3, pre-immune serum to H3 antibody AS10 710
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 : 50 (IF), 1 : 50 (IHC), 1 : 500 (WB)
Expected apparent MW	15 kDa
Confirmed reactivity	Caenorhabditis elegans, Human
Predicted reactivity	<i>Drosophila melanogaster</i> , Mouse, Plant, Rat, <i>Xenopus sp.</i>
Not reactive in	No confirmed exceptions from predicted reactivity are currently known.
Additional information	
Selected references	To be added when available, antibody released in February 2016.

application example



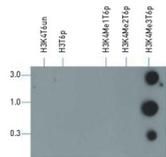
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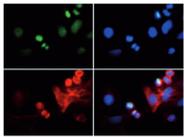
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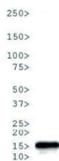
Chromatin Immunoprecipitation using anti-H3K4me3T6p antibodies. Chromatin from one million formaldehyde cross-linked HeLa cells was used with 2 µg of H3K4me3T6p antibody alongside a no antibody (No Ab) control, DNA was measured by qPCR and normalized to total input.



Dot Blot using anti-H3K4me3T6p antibodies. Lane 1: Unmodified. Lane 2: T6p. Lane 3: K4Me1T6p. Lane 4: K4Me2T6p. Lane 5: K4Me3T6p. Load: 3, 1, and 0.3 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-H3K4me3T6p antibodies. Tissue: HeLa cells. Fixation: 0.5% PFA. Primary antibody used at a 1:50 dilution for 1 h at RT. Secondary antibody: FITC secondary antibody at 1:10 000 for 45 min at RT. Localization: Histone H3K4me3T6p is nuclear and chromosomal. Staining: H3K4me3T6p is expressed in green and the nuclei and alpha-tubulin are counterstained with DAPI (blue) and Dylight® 594 (red).



Western Blot using anti-H3K4me3T6p antibodies. 30 µg *C. elegans* embryo lysate. Primary antibody at 1:500 overnight at 4°C. Secondary antibody: IRDye800™ rabbit secondary antibody at 1:10 000 for 45 min at RT.