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Product no AS16 3181

Anti-H3K18me1 | Histone H3 (monomethylated Lys18)

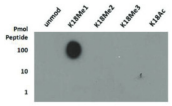
Product information

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

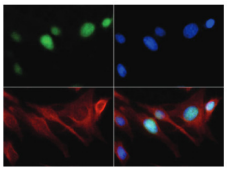
Application information

Recommended dilution	2-5 µg/million cells (ChIP), 1 : 1000 (Dot), 1 : 50 (IF), 1 : 100 (IHC), 1 : 500 (WB)
Expected | apparent MW	15 kDa
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

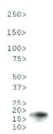
application example



Dot Blot using anti-H3K18me1 antibodies. Lane 1: unmodified. Lane 2: K18Me1. Lane 3: K18Me2. Lane 4: K18Me3. Lane 5: K18ac. Load: 1, 10, and 100 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-H3K18me1 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 H3K18me1 is nuclear and chromosomal. Staining: Histone H3K18me1 is expressed in green, nuclei and actin are counterstained with DAPI (blue) and Phalloidin (red).



Western Blot using anti-H3K18me1 antibodies. 30 µg of NIH-3T3 histone extracts. Primary antibody used at a 1:500 dilution overnight at 4°C. Secondary antibody: IRDye800™ rabbit secondary antibody at 1:10 000 for 45 min at RT.