

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

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### Product no AS16 3177

# Anti-H3R8me2(asym) | Histone H3 (asym-dimethylated Arg8)

### **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 ug (ChIP), 1: 100 (IF), 1: 100 (IHC), 1:500 (WB)

Expected | apparent 15 kDa

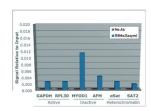
MW

**Confirmed reactivity** Caenorhabditis elegans, Human

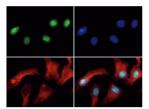
Predicted reactivity Chicken, Drosophila melanogaster, Mouse, Plant, Rat, Xenopus sp.

Not reactive in No confirmed exceptions from predicted reactivity are currently known

#### application example



Chromatin Immunoprecipitation using anti-H3R8me2(asym) antibodies. Chromatin from one million formaldehyde cross-linked Hela cells was used with 2 µg of H3R8me2(asym) and 20ul of magnetic 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.



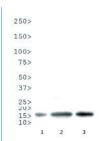
Immunofluorescence using anti-H3R8me2(asym) antibodies. Tissue: HeLa cells. Fixation: 0.5% PFA. Primary antibody: used at a 1:100 dilution for 1 h at RT. Secondary antibody: FITC secondary antibody at 1:10 000 for 45 min at RT. Localization: H3R8me2(asym) is nuclear and chromosomal. Staining: H3R8me2(asym) is expressed in green and the nuclei and alpha-tubulin are counterstained with DAPI (blue) and Dylight® 594 (red).



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Western Blot using antiH3R8me2(asym) antibodies. Lane 1: HeLa Histone extracts. 2. NIH-3T3 extracts. Lane 3: *C. elegans* embryo lysate. Load: 30 μg per lane. Primary antibody diluted 1:500 overnight at 4°C. Secondary antibody: IRDye800<sup>TM</sup> rabbit secondary antibody at 1:10 000 for 45 min at RT.