

## Histone H1.3/H1.4 (phospho-T17) Rabbit monoclonal antibody

Catalog: BS9836M

Host: Rabbit

Reactivity: Human, Mouse, Rat

### Background:

Eukaryotic histones are basic and water soluble nuclear proteins that form hetero-octameric nucleosome particles by wrapping 146 base pairs of DNA in a left-handed super-helical turn sequentially to form chromosomal fiber. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form the octamer; formed of two H2A-H2B dimers and two H3-H4 dimers, forming two nearly symmetrical halves by tertiary structure. Over 80% of nucleosomes contain the linker Histone H1, derived from an intronless gene, that interacts with linker DNA between nucleosomes and mediates compaction into higher order chromatin. Histones are subject to posttranslational modification by enzymes primarily on their N-terminal tails, but also in their globular domains. Such modifications include methylation, citrullination, acetylation, phosphorylation, sumoylation, ubiquitination and ADP-ribosylation.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 30 kDa

### Swiss-Prot:

P10412/P16402

### Purification&Purity:

Protein A affinity purified

### Applications:

WB: 1:500-1:1000

IHC/ICC/IF: 1:50-1:200

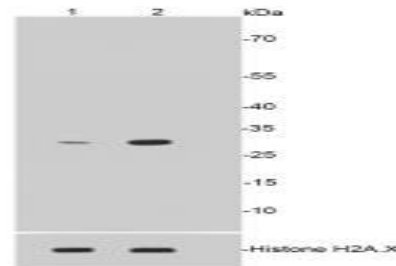
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

This antibody detects endogenous levels of Histone H1.3 or H1.4 protein only when phospho-T17.

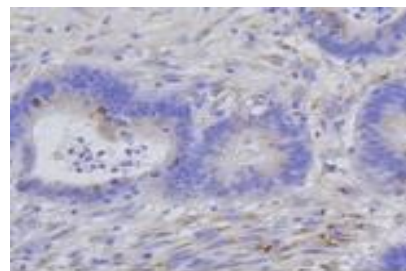
### DATA:



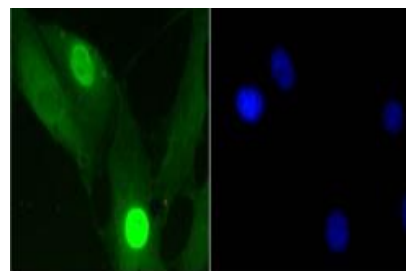
Western blot (WB) analysis of Histone H1.3/H1.4 (phospho-T17) Rabbit mAb at 1:500 dilution

Lane 1: Untreated CRC whole cell lysates

Lane 2: CRC cells treated with 1.5 µg/ml Colcemid for 12 hours whole cell lysates



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-Histone H1.3/H1.4 (phospho-T17) antibody. Counter stained with hematoxylin.



ICC staining Phospho-Histone H1.3(T17)+Histone H1.4(T17) in NIH/3T3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton \*100/PBS.

### Note:

For research use only, not for use in diagnostic procedure.

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## PRODUCT DATA SHEET

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