

Histone H2B (acetyl K20) polyclonal antibody

Catalog: BS94093

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:

14 kDa

Swiss-Prot:

O60814(Human) P06899(Human) P23527(Human)
P33778(Human) P57053(Human) P58876(Human)
P62807(Human) Q16778(Human) Q5QNW6(Human)
Q8N257(Human) Q93079(Human) Q99877(Human)
Q99879(Human) Q99880(Human) Entrez
Gene:64647(Mouse) Q00729(Rat)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:1,000

ICC:1:100-1:500

IHC:1:100-1:500

FC:1:50-1:100

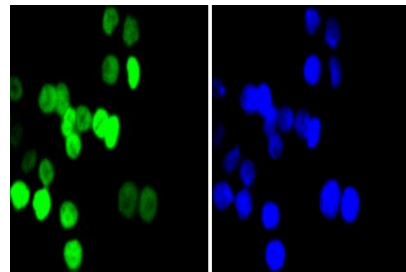
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

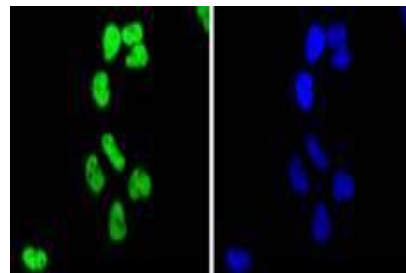
Specificity:

Histone H2B (acetyl K20) polyclonal antibody detects endogenous levels of Histone H2B protein only when acetylated at K20.

DATA:



ICC staining Histone H2B(acetyl K20) in SW480 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Histone H2B(acetyl K20) in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Note:

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

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PRODUCT DATA SHEET

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