

Histone H4 (Phospho-S47) polyclonal antibody

Catalog: BS64530

Host: Rabbit

Reactivity: Human,Rat

BackGround:

Histone proteins H3, H4, H2A, and H2B function as building blocks to package eukaryotic DNA into repeating nucleosome units that are folded in higher order chromatin fibers. The nucleosome is composed of an octamer containing a H3/H4 tetramer and two H2A/H2B dimers, surrounded by approximately 146 base pairs of DNA. A diverse and elaborate array of post-translational modifications including acetylation, phosphorylation, methylation, ubiquitination, and ADP-ribosylation occurs on the N-terminal tail domains of histones. Methylation of position-specific lysine residues in histone N termini is a central modification for regulating epigenetic transitions in chromatin. Each methylatable lysine residue can exist in a mono, di, or tri methylated state. Arginine residues can also be mono or di methylated.

Product:

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

Molecular Weight:

~ 11 kDa

Swiss-Prot:

P62805

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB:1:500~1:1000 IF:1:50~1:200

Storage&Stability:

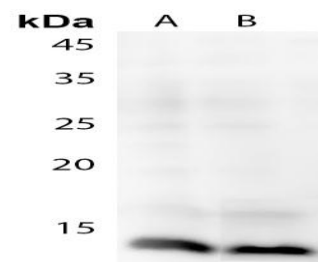
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Histone H4 (Phospho-S47) polyclonal antibody detects endogenous levels of Histone

H4 protein only when phosphorylated at Ser47.

DATA:



Western blot (WB) analysis of Histone H4 (Phospho-S47) polyclonal antibody at 1:500 dilution

LaneA:HEK293T whole cell lysate

LaneB:U20S whole cell lysate

Note:

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

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