

Histone H3 (Mono-Methyl K80) polyclonal antibody

Catalog: BS64173

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:

~ 17 kDa

Swiss-Prot:

P68431/Q71DI3/P84243/Q6NXT2

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

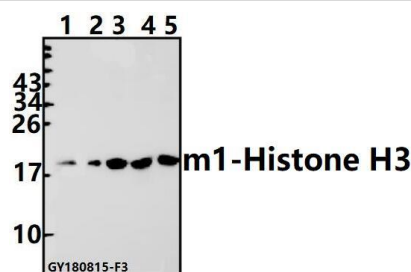
Storage&Stability:

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

Specificity:

Histone H3 (Mono-Methyl K80) polyclonal antibody detects endogenous levels of histone H3 only when mono-methylated at Lys80.

DATA:



Western blot (WB) analysis of m1-Histone H3 (K80) pAb at 1:500 dilution

Lane1:A375 whole cell lysate(40ug)

Lane2:A549 whole cell lysate(20ug)

Lane3:H1792 whole cell lysate(40ug)

Lane4:PC12 whole cell lysate(40ug)

Lane5:AML-12 whole cell lysate(40ug)

Note:

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

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