

Histone H2B (P8) polyclonal antibody

Catalog: BS3153

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, which consists 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 post-translational 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:

P57053

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

IHC: 1:50~1:200

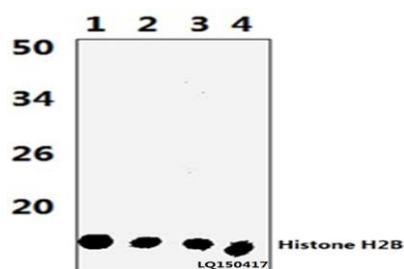
Storage&Stability:

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

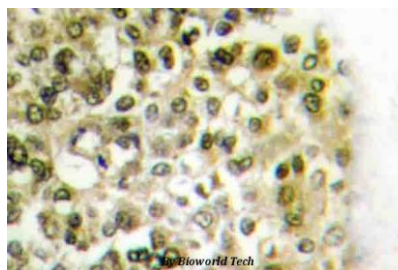
Specificity:

Histone H2B (P8) polyclonal antibody detects endogenous levels of Histone H2B protein.

DATA:



Western blot (WB) analysis of Histone H2B (P8) polyclonal antibody at 1:1000 dilution Lane1:HEK293T whole cell lysate(44ug)
Lane2:HEPG2 whole cell lysate(55ug)
Lane3:RAW264.7 whole cell lysate(57ug) Lane4:H9C2 whole cell lysate(37ug)



Immunohistochemistry (IHC) analyzes of Histone H2B (P8) pAb in paraffin-embedded human breast cancer tissue.

Note:

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

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