

## Histone H4 polyclonal antibody

Catalog: BS90645

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:

20 kDa

### Swiss-Prot:

P62805(Human) P62806(Mouse) P62804(Rat)

### Purification&Purity:

ProA affinity purified

### Applications:

WB:1:1,000-1:5,000

ICC:1:50-1:200

IHC:1:50-1:200

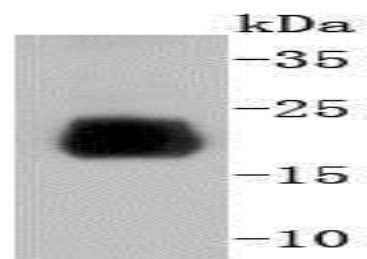
### Storage&Stability:

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

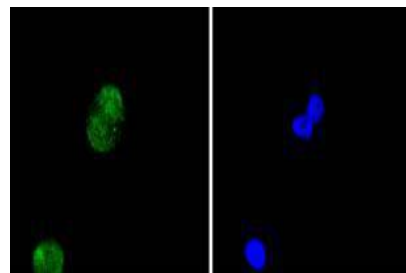
### Specificity:

Histone H4 polyclonal antibody detects endogenous levels of Histone H4 protein.

### DATA:



Western blot analysis of Histone H4 on mouse spleen lysates using anti-Histone H4 antibody at 1/5,000 dilution.



ICC staining Histone H4 in PANC-1 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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