

## Histone H4 (V43) polyclonal antibody

Catalog: BCP00885

Host: Rabbit

Reactivity: Human, Mouse, 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:

~ 14 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

IHC: 1:50~1:200

IP: 1:10~1:100

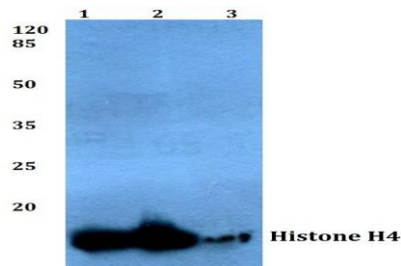
### Storage&Stability:

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

### Specificity:

Histone H4 (V43) polyclonal antibody detects endogenous levels of Histone H4 protein.

### DATA:



Western blot (WB) analysis of Histone H4 (V43) polyclonal antibody at 1:500 dilution

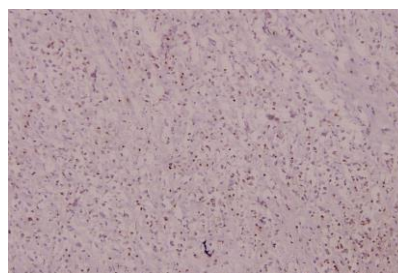
Lane1:Hela whole cell lysate(40ug)

Lane2:A549 whole cell lysate(40ug)

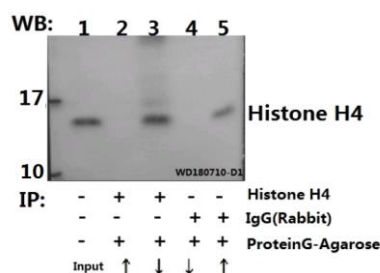
Lane3:L02 whole cell lysate(40ug)

Lane4:C6 whole cell lysate(40ug)

Lane5:BV2 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of Histone H4 (V43) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.



Immunoprecipitation of HEK293T cell lysate using Histone H4 (V43)

pAb (Sepharose Bead Conjugate) #BD0048(lane 2 and lane 3) and

Nonspecific IgG Control (Sepharose Bead Conjugate)#BD0048 (lane

4 and lane 5). Lane 1 is 30% input. The western blot was probed using

Histone H4 (V43). “ ↑ ” (supernatant) ; “ ↓ ” (deposition)

### Note:

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