

## macroH2A.1 polyclonal antibody

Catalog: BS90817

Host: Rabbit

Reactivity: Human, Mouse

### BackGround:

Variant histone H2A which replaces conventional H2A in a subset of nucleosomes where it represses transcription. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling. Involved in stable X chromosome inactivation. Inhibits the binding of transcription factors, including NF-kappa-B, and interferes with the activity of remodeling SWI/SNF complexes. Inhibits histone acetylation by EP300 and recruits class I HDACs, which induces a hypoacetylated state of chromatin.

### Product:

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

### Molecular Weight:

40 kDa

### Swiss-Prot:

O75367(Human) Q9QZQ8(Mouse)

### Purification&Purity:

Protein affinity purified.

### Applications:

WB:1:500

IHC:1:50-1:200

FC:1:50-1:100

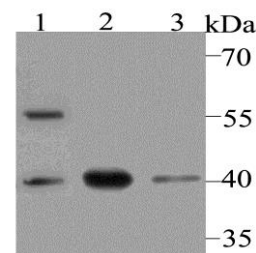
### Storage&Stability:

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

### Specificity:

macroH2A.1 polyclonal antibody detects endogenous levels of macroH2A.1 protein.

### DATA:



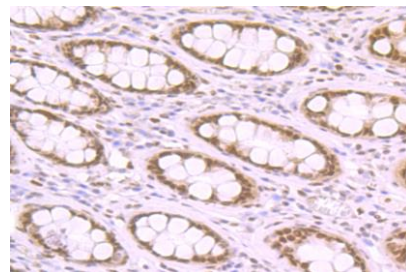
Western blot analysis of macroH2A.1 on different lysates using anti-macroH2A.1 antibody at 1/500 dilution.

Positive control:

Lane1: mouse pancreas

Lane2: SiHa

Lane3: PC-3M



Immunohistochemical analysis of paraffin-embedded human colon tissue using anti-macroH2A.1 antibody. Counter stained with hematoxylin.

### Note:

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

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