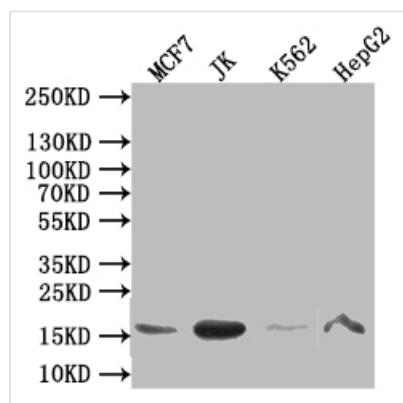




HIST1H3A Recombinant Monoclonal Antibody

Product Code	CSB-RA010418MA1HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P68431
Immunogen	Recombinant Human HIST1H3A protein
Species Reactivity	Human, Mouse
Tested Applications	ELISA, WB, IHC, IF; Recommended dilution: WB:1:1000-1:5000, IHC:1:20-1:200, IF:1:20-1:200
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Purification Method	Affinity-chromatography
Isotype	Mouse IgG
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Epigenetics and Nuclear Signaling
Gene Names	HIST1H3A
Clone No.	28H10

Image



Western Blot

Positive WB detected in: MCF7 whole cell lysate, JK whole cell lysate, K562 whole cell lysate, HepG2 whole cell lysate

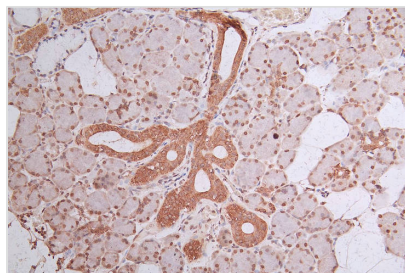
All lanes: HIST1H3A antibody at 1:1000

Secondary

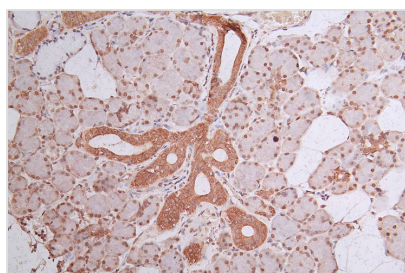
Goat polyclonal to mouse IgG at 1/50000 dilution

Predicted band size: 16 kDa

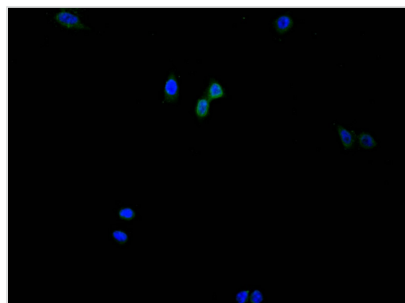
Observed band size: 16 kDa



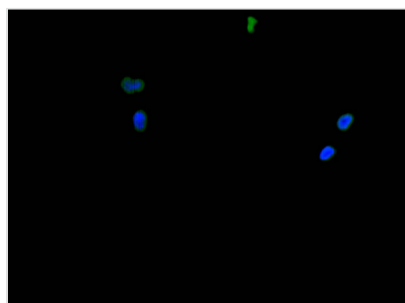
IHC image of CSB-RA010418MA1HU diluted at 1:300 and staining in paraffin-embedded human gastric cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-Mouse IgG labeled by HRP and visualized using 0.05% DAB.



IHC image of CSB-RA010418MA1HU diluted at 1:300 and staining in paraffin-embedded human salivary gland tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-Mouse IgG labeled by HRP and visualized using 0.05% DAB.



Immunofluorescence staining of HepG2 cell with CSB-RA010418MA1HU at 1:200, counter-stained with DAPI. The cells were fixed in 4% for maldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4C. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescence staining of Hela cell with CSB-RA010418MA1HU at 1:200, counter-stained with DAPI. The cells were fixed in 4% for maldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4C. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).

Description

The HIST1H3A recombinant monoclonal antibody preparation is to obtain the HIST1H3A antibody genes, to introduce the HIST1H3A antibody genes into suitable host cells, and to synthesize HIST1H3A antibodies using cell expression and translation system. This method can not only greatly improve the purity and stability of the synthesized HIST1H3A recombinant monoclonal antibodies, but also increase antibodies' affinity and specificity. This HIST1H3A



recombinant monoclonal antibody underwent affinity chromatography purification and was tested in ELISA, WB, IHC, and IF assays. It can recognize both human and mouse HIST1H3A protein.

HIST1H3A, also known as histone H3.1, is a critical component of chromatin, serving as a structural protein that helps package DNA and regulate gene expression. Its dynamic modifications and interactions with other proteins are essential for the intricate regulation of various cellular processes, including gene transcription, DNA replication, DNA repair, and cell division.