

## Histone H3 Monoclonal Antibody(1G1)

### Description

Product type	Primary Antibody
Code	BT-MCA0049
Host	Mouse
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Recombinant Protein of Histone H3
Mol wt	15273
Species reactivity	Human,Mouse,Rat,Yeast
Clonality	Monoclonal
Recommended application	WB, IHC-p, IF, ICC, IP
Concentration	1 mg/ml
Full name	Histone H3.1
Synonyms	HIST1H3A; H3FA; HIST1H3B; H3FL; HIST1H3C; H3FC; HIST1H3D; H3FB; HIST1H3E; H3FD; HIST1H3F; H3FI; HIST1H3G; H3FH; HIST1H3H; H3FK; HIST1H3I; H3FF; HIST1H3J; H3FJ; Histone H3.1; Histone H3; a; Histone H3; b; Histone H3; c; Histone H3; d; Histone H3; f; Histone H3; h; Histone H3; i; Histone H3; j; Histone H3; k; Histone H3; l; HIST2H3A; HIST2H3C; H3F2; H3FM; HIST2H3D; Histone H3.2; Histone H3; m; Histone H3; o; H3F3A; H3.3A; H3F3; PP781; H3F3B; H3.3B; Histone H3.3

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H3 family. Transcripts from this gene lack polyA tails| instead, they contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6p22-p21.3.

### Recommended Dilution

IF: 1:100-500

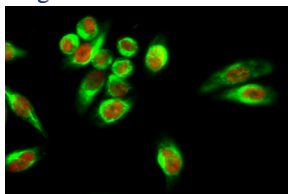
IHC: 1:50-300

IP: 1:200

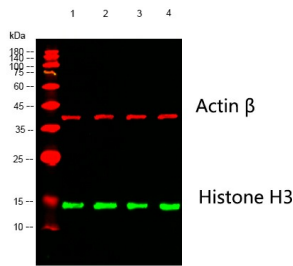
WB: 1:2000-5000

Not yet tested in other applications.

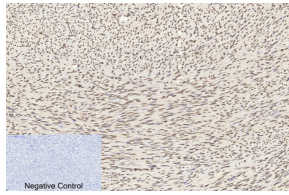
### Images



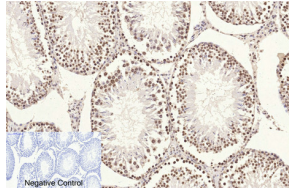
Immunofluorescence analysis of HeLa cell. Amyloid-Beta Polyclonal Antibody(green) was diluted at 1:200(4°C overnight). (red) was diluted at 1:200(4°C overnight).



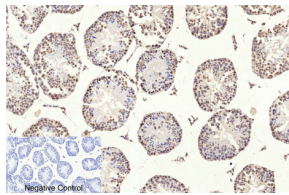
Western blot analysis of lysates from HeLa, Raw, Mouse Brain Tissue and Rat Brain Tissue cells, (Green) primary antibody was diluted at 1:1000, 4° overnight, Dylight 800 secondary antibody was diluted at 1:10000, 37°C 1 hour. (Red) Actin Beta Polyclonal Antibody antibody was diluted at 1:5000 as loading control, 4°C overnight, Dylight 680 secondary antibody was diluted at 1:10000, 37°C 1 hour.



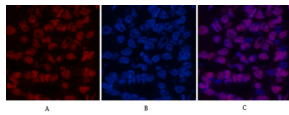
Immunohistochemical analysis of paraffin-embedded Human-uterus tissue. 1.Histone H3 Monoclonal antibody(1G1) was diluted at 1:200(4°C,overnight). 2.Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3.Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



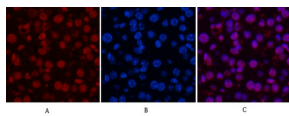
Immunohistochemical analysis of paraffin-embedded Rat-testis tissue. 1.Histone H3 Monoclonal antibody(1G1) was diluted at 1:200(4°C,overnight). 2.Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3.Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



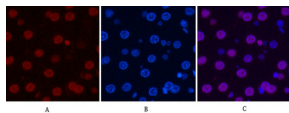
Immunohistochemical analysis of paraffin-embedded Mouse-testis tissue. 1.Histone H3 Monoclonal antibody(1G1) was diluted at 1:200(4°C,overnight). 2.Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3.Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



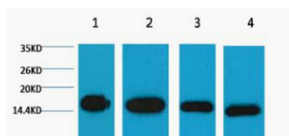
Immunofluorescence analysis of Human-liver-cancer tissue. 1.Histone H3 Monoclonal antibody(1G1) (red) was diluted at 1:200(4°C,overnight). 2. Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).3. Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



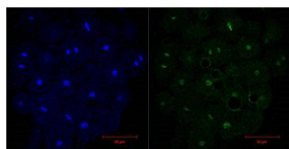
Immunofluorescence analysis of Mouse-liver tissue. 1.Histone H3 Monoclonal antibody(1G1)(red) was diluted at 1:200(4°C,overnight). 2. Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).3. Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Immunofluorescence analysis of Rat-liver tissue. 1.Histone H3 Monoclonal antibody(1G1)(red) was diluted at 1:200(4°C,overnight). 2. Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).3. Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Western blot analysis of 1) HeLa, 2) Raw, 3) Mouse Brain Tissue, 4) Rat Brain Tissue diluted at 1:5000.



IF analysis of HeLa diluted at 1:200.

## Storage

-20°C for one year

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China

Tel: 86 21 31007137 | E-mail: save@bt-laboratory.com | www.bt-laboratory.com