

## Histone H3 (Tri Methyl Lys79) Monoclonal Antibody(3G3)

### Description

Product type	Primary Antibody
Code	BT-MCA0048
Host	Mouse
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Synthetic Peptide of Histone H3 (Tri Methyl Lys79)
Mol wt	15273
Species reactivity	Human,Mouse,Rat
Clonality	Monoclonal
Recommended application	WB, IHC-p, IF, ICC, IP
Concentration	1 mg/ml
Full name	Histone H3.1
Synonyms	H3K79ME3; 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: 1:200

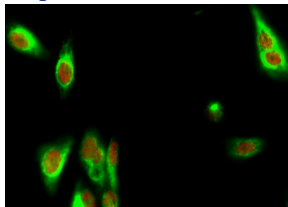
IHC: 1:50-300

IP: 1:200

WB: 1:500-2000

Not yet tested in other applications.

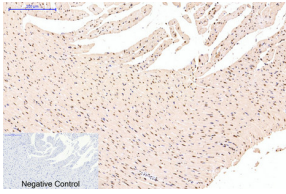
### Images



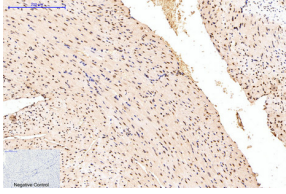
Immunofluorescence analysis of HeLa cell. Bek Polyclonal Antibody(green) was diluted at 1:200(4°C overnight). (red) was diluted at 1:200(4°C overnight).



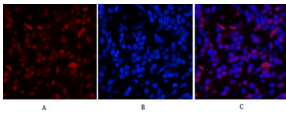
Immunohistochemical analysis of paraffin-embedded Human-uterus tissue. 1.Histone H3 (Tri Methyl Lys79) Monoclonal antibody(3G3) was diluted at 1:200(4°C,overnight). 2.Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3.Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



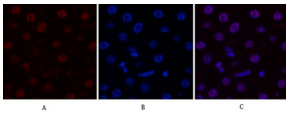
Immunohistochemical analysis of paraffin-embedded Rat-heart tissue. 1.Histone H3 (Tri Methyl Lys79) Monoclonal antibody(3G3) was diluted at 1:200(4°C,overnight). 2.Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3.Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



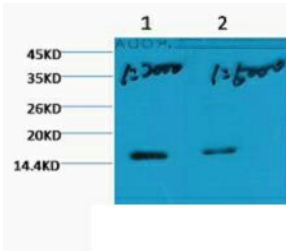
Immunohistochemical analysis of paraffin-embedded Mouse-heart tissue. 1.Histone H3 (Tri Methyl Lys79) Monoclonal antibody(3G3) was diluted at 1:200(4°C,overnight). 2.Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3.Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunofluorescence analysis of Human-appendix tissue. 1.Histone H3 (Tri Methyl Lys79) Monoclonal antibody(3G3)(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 (Tri Methyl Lys79) Monoclonal antibody(3G3)(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 Hela diluted at 1) 1:2000 2) 1:5000

### Storage

-20°C for one year

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