

Recombinant

DGRmAb®

## DiMethyl-Histone H3 (Lys4) (DGR19024) Rabbit mAb

db12460

Package : 10µL 20µL 50µL 100µL

**Product Name** : DiMethyl-Histone H3 (Lys4) (DGR19024) Rabbit mAb**Cat.No.:** db12460**Synonyms** : H3K4me; H3 histone; HIST1H3A; Histone cluster 1; H3a**Application** : WB, IHC-P, ICC/IF, FC, IP**Reactivity** : Human,Mouse,Rat**Host species** : Rabbit**Background**

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone 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 member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is located separately from the other H3 genes that are in the histone gene cluster on chromosome 6p22-p21.3.

**Immunogen**

A synthetic methyl-peptide corresponding to residues surrounding Lys4 of human Histone H3

**Gene ID**

8356

**Swiss Prot**

P68431

**Synonyms**

H3K4me; H3 histone; HIST1H3A; Histone cluster 1; H3a

**Reactivity**

Human,Mouse,Rat

**Application**

WB, IHC-P, ICC/IF, FC, IP

**Recommended dilution**WB: 1:1000  
IHC-P: 1:200-1:1000  
ICC/IF: 1:500-1:1000  
FC: 1:20-1:100  
IP: 1:20-1:50**Calculated MW**

15 kDa

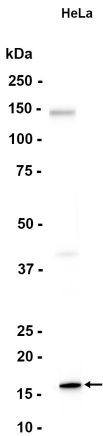
**Observed MW**

17 kDa

**Host species**

Rabbit

Clonality	Monoclonal
Clonality No.	DGR19024
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot analysis of extracts from HeLa cells using db12460 at 1:1000.