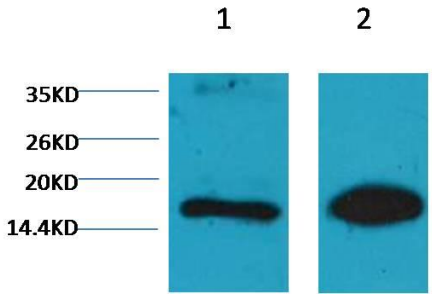
Histone H3(mono methyl K9) Mouse Monoclonal Antibody(1E8)

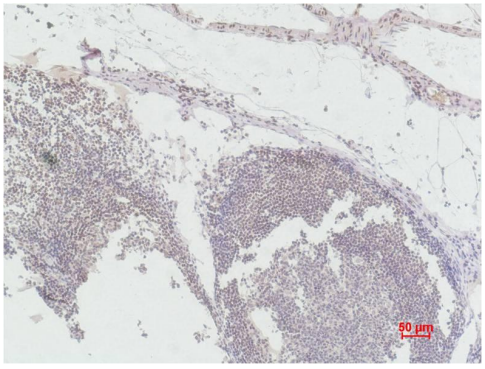
Catalog No： RA10385

Basic Information	
Host species	Mouse
Applications	WB, IHC
Species Cross-Reactivity	H, R, M
Specificity	The Histone H3(di methyl K9) antibody can detects endogenous Histone H3(di methyl K9) protein.
Recommended dilutions	WB: 1:1,000-3,000 IHC: 1:200-500 Optimal dilutions should be determined by the end user.
Applications	
Formulation	PBS, pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Concentration	1 mg/ml
Clonality	Monoclonal
Background	
Alternative Names	H3 histone antibody, HIST1H3A antibody, Histone cluster 1, H3a antibody
Observed band	15
Human Gene ID	8290
Human Swiss-Prot Number	P68431
Background	Histone H3 is one of the five main histone proteins involved in the structure of chromatin in eukaryotic cells. Core component of nucleosome. 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.

Selected Validation Data



Western blot analysis of 1) Rat Testis Tissue, 2) Raw264.7 with Histone H3(mono methyl K9) Mouse mAb diluted at 1:1000.



Immunohistochemical analysis of paraffin-embedded Human Clolon using Histone H3(mono methyl K9) Mouse mAb diluted at 1:500.