Recombinant TriMethyl-Histone H3 Monoclonal Antibody

Catalog Number:E-AB-81497

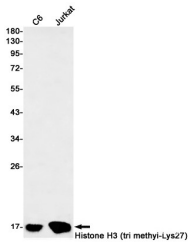
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity	Human,Rat
Immunogen	A synthetic methyl-peptide corresponding to residues surrounding Lys27 of human Histone H3
Host	Rabbit
Isotype	IgG
Clone	R01-8I4
Purification	Affinity Purified
Conjugation	Unconjugated
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein

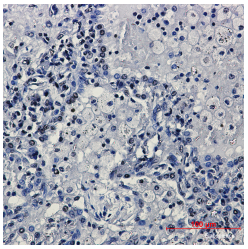
Applications	Recommended Dilution
WB	1:500-1:1000
IHC	1:50-1:100
IF	1:50-1:100

Data

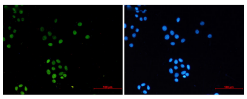


Western blot detection of Histone H3 (tri methyl-Lys27) in C6,Jurkat cell lysates using Histone H3 (tri methyl-Lys27) Rabbit mAb(1:1000 diluted).Predicted band size:15kDa.Observed band size:15kDa.

Observed Mw:15kDa
Calculated Mw:15kDa



Immunohistochemical of TriMethyl-Histone H3 (Lys27) in Human lung cancer tissue using TriMethyl-Histone H3 (Lys27) antibody at dilution 1:20



Immunofluorescence of TriMethyl-Histone H3 (Lys27) (green) in Hela using TriMethyl-Histone H3 (Lys27) antibody at dilution 1/20, and DAPI(blue)

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Preparation & Storage

Storage	Store at -20℃. Avoid freeze / thaw cycles.

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.

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