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	Rabbit IgG
Clone	C713283
Purification	Affinity Purified
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.05% stabilizer and 0.05% protective protein.

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

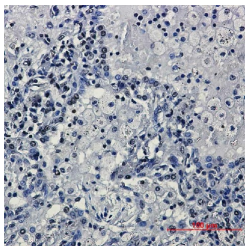
Data



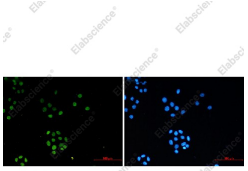
Western blot detection of Histone H3 (tri methyl-Lys27) in C6,Jurkat cell lysates using Histone H3 (tri methyl-Lys27) Rabbit mAb(1:1000 diluted).Predicted band size:15kDa.Observed band size:15kDa.

Observed-MW:15 kDa

Calculated-MW:15 kDa



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)

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

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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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