Recombinant TriMethyl-Histone H3 Monoclonal Antibody

catalog number: E-AB-81497

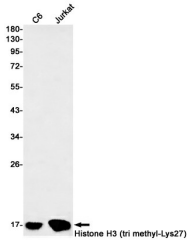
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

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
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

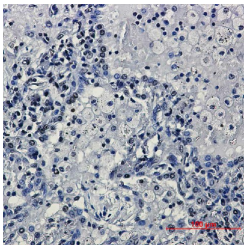
Data



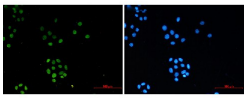
Western blot detection of Histone H3 (tri methyl-Lys27) in C6,Jurkat cell lysates using Histone H3 (tri methyl-Lys27) Rabbit mAb(1:1000 diluted).Predicted band size:15kDa.Observed band size:15kDa.

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.

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.

Toll-free: 1-888-852-8623
Web:www.elabscience.com
Tel: 1-832-243-6086
Email:techsupport@elabscience.com
Fax: 1-832-243-6017