

## TRIMETHYL-HISTONE H3 (LYS27) RABBIT MAB

**Cat.#:** N263146

**Product Name:** Anti-TriMethyl-Histone H3 (Lys27) Rabbit Monoclonal Antibody

**Synonyms:** H3K27me3; H3 histone; HIST1H3A; Histone cluster 1; H3a

**UNIPROT ID:** P68431

**Background:** H3 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.

**Immunogen:** A synthetic methyl-peptide corresponding to residues surrounding Lys27 of human Histone H3

**Applications:** WB,IHC-F,IHC-P,ICC/IF,IP,ChIP

**Recommended Dilutions:** WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 IP: 1/20 ChIP: 1/20

**Host Species:** Rabbit

**Clonality:** Rabbit Monoclonal

**Clone ID:** R01-8I4

**MW:** Calculated MW: 15 kDa; Observed MW: 15 kDa

**Isotype:** IgG

**Purification:** Affinity Purified

**Species Reactivity:** Human,Rat

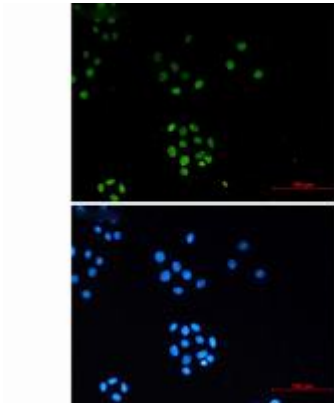
**Conjugation:** Unconjugated

**Modification:** Methylated

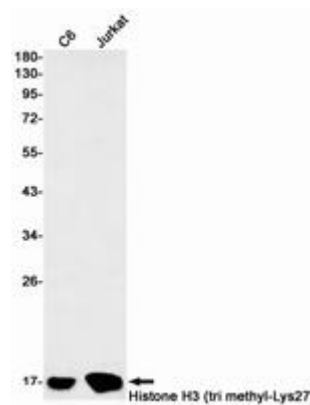
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

**Research Areas:** EpigeneticsyyyHistone methylation

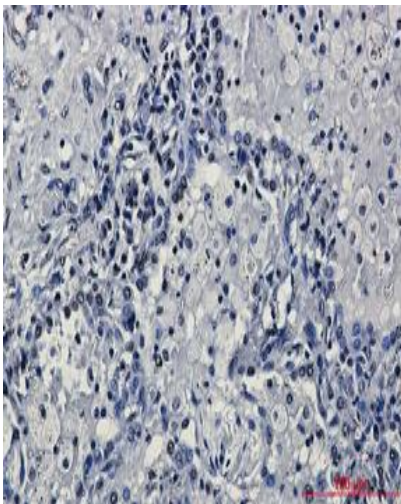
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



Immunocytochemistry analysis of TriMethyl-Histone H3 (Lys27) (green) in Hela using TriMethyl-Histone H3 (Lys27) antibody, and DAPI (blue)



Western blot analysis of Histone H3 (tri methyl-Lys27) in C6, Jurkat lysates using TriMethyl-Histone H3 (Lys27) antibody.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer using TriMethyl-Histone H3 (Lys27) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.