

Product Datasheet

TriMethyl-Histone H3 (Lys79) (6A6) Mouse mAb

Catalog No: AB3448

Reactivity: Human,Mouse,Rat

Isotype: Mouse IgG1

Applications: WB,IHC,ICC/IF,IP



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Information

UniProt ID: P68431

All Names: H3 histone, HIST1H3A, Histone cluster 1, H3a

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 15kDa

Application

WB: 1/500-1/2000

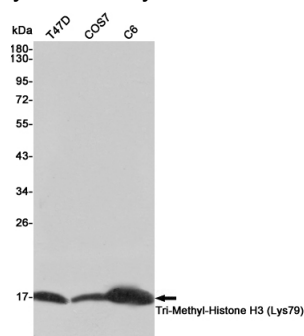
IHC: 1/50-1/100

ICC/IF: 1/50-1/200

IP: 1/200

Background

Swiss-Prot Acc.P68431.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. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling. Miscellaneous This histone is only present in mammals and is enriched in acetylation of Lys-15 and dimethylation of Lys-10 (H3K9me2).



Western blot analysis of extracts from T47D, COS7 and C6 cell lines using Tri-Methyl-Histone H3 (Lys79) Mouse mAb (1:1000 diluted). Predicted band size: 17KDa. Observed band size: 17KDa.

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