

## Anti-Tri-methyl-Histone H3 (Lys9) Antibody (2U630)

### Product Details

Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 11 kDa.
Clone:	2U630
Purification:	ProA affinity purified

### Applications

Application:	IF,WB
Recommended	WB: 1:100-1000

### Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen:	Amino acids 6-16 of Histone H3 trimethylated at Lysine 9 of human origin
Antigen Species:	Human
Uniprot ID:	P68431
Synonyms:	Tri-methyl-Histone H3 (K9);Histone H3K9-trimethylated;TriMe-H3K9;H3K9me3;Tri-Me-Histone H3 (K9);Tri-Me-Histone H3 (Lys9)

### Research Background

Eukaryotic histones are basic and water soluble nuclear proteins that form hetero-octameric nucleosome particles by wrapping 146 base pairs of DNA in a left-handed super-helical turn sequentially to form chromosomal fibers. Two molecules of each of the four core histones (H2A, H2B, H3 and H4) form the octamer, which is comprised of two H2A-H2B dimers and two H3-H4 dimers, forming two nearly symmetrical halves by tertiary structure. Histones are subject to posttranslational modification by enzymes primarily on their N-terminal tails, but also in their globular domains. Human Histone H3 is subject to trimethylation at Lys 9, a modification that may be necessary for select DNA transactions or chromatin state transitions.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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