

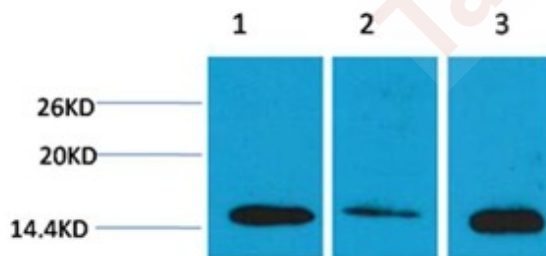
## Anti-Di-methyl-HIST1H3A (Lys4) Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Actual: 17 kDa.
Purification:	Affinity purification using immunogen.

## Applications

Verified Activity: 1. Western blot analysis of 1) HeLa, 2)3T3 , 3) Raw264.7, using TMAC-01934 diluted at 1:2,000.



Application:	WB
Recommended	WB: 1:1000-2000

## 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:	A synthesized dimethylpeptide: human histone H3 around the dimethylation site of Lys4
Antigen Species:	Human
Uniprot ID:	P68431
Synonyms:	Di-methyl-HIST1H3A (K4);Di-Me-HIST1H3A (K4);Di-Me-HIST1H3A (Lys4);Histone H3K4-dimethylated;DiMe-H3K4;H3K4me2

## Research Background

Histone H3 is one of the five main histone proteins involved in the structure of chromatin in eukaryotic cells. 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.

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

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481