

# Histone H3(Di-methyl-K27) Mouse Monoclonal Antibody (3B12)

Catalog No: #HW046

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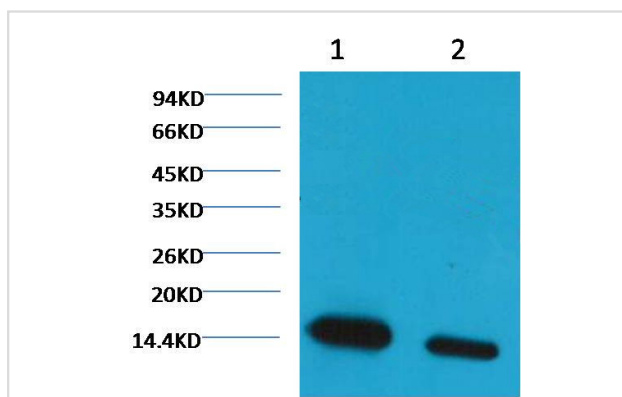
## Description

Product Name	Histone H3(Di-methyl-K27) Mouse Monoclonal Antibody (3B12)
Host Species	Mouse
Clonality	Monoclonal
Clone No.	3B12
Purification	Affinity purification using immunogen.
Applications	WB
Species Reactivity	Hu Rt Ms
Specificity	Antibody detects endogenous Histone H3 (Di-methyl-K27)protein.
Immunogen Description	A synthetic Di-methylated peptide corresponding to residues surrounding K27 of human histone H3.
Target Name	Histone H3(Di-methyl-K27)
Modification	Methyl
Accession No.	Swiss-Prot#:P68431
Uniprot	P68431
GenelD	8350;8351;8352;8353;8354;8355;8356;8357;8358;8968;
SDS-PAGE MW	17kd
Concentration	1.0mg/ml
Formulation	Mouse IgG1 in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

## Application Details

Western blotting: 1:1000~1:3000

## Images



Western blot analysis of HeLa cells, using #HW046 diluted at  
1) 1:1,000, 2) 1:3,000.

## Background

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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.

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Note: This product is for in vitro research use only