

## Histone H3 (Di-Methyl-Lys27) Antibody

Catalog No: #11583



Package Size: #11583-1 50ul #11583-2 100ul

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## Description

|                       |   |
|-----------------------|---|
| Product Name          | Histone H3 (Di-Methyl-Lys27) Antibody   |
| Host Species          | Rabbit  |
| Clonality             | Polyclonal  |
| Purification          | Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates.<br>Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide. |
| Applications          | WB IHC  |
| Species Reactivity    | Hu Ms Rt  |
| Immunogen Type        | Peptide-KLH   |
| Immunogen Description | Peptide sequence around Di-Methylation site of lysine 27(A-R-K(di-methyl)-S-A) derived from Human Histone H3.   |
| Target Name           | Histone H3  |
| Modification          | Methyl  |
| Other Names           | H3/a, H3/c, H3/d, H3/f, H3/h  |
| Accession No.         | Swiss-Prot#:P68431 NCBI Gene#:8351 NCBI Protein#:NP_003521.2  |
| Uniprot               | P68431  |
| GeneID                | 8350;8351;8352;8353;8354;8355;8356;8357;8358;8968;  |
| SDS-PAGE MW           | 17KD  |
| Concentration         | 1.0mg/ml  |
| Formulation           | Supplied at 1.0mg/mL 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/1 year   |

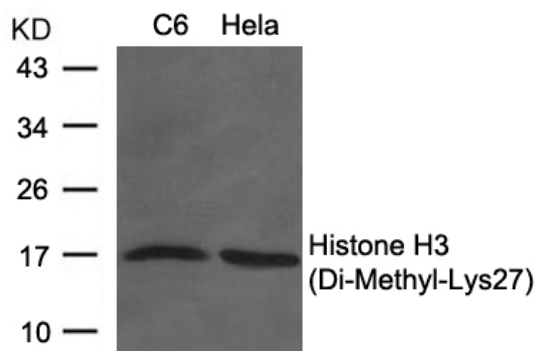
## Application Details

Predicted MW: 17kd

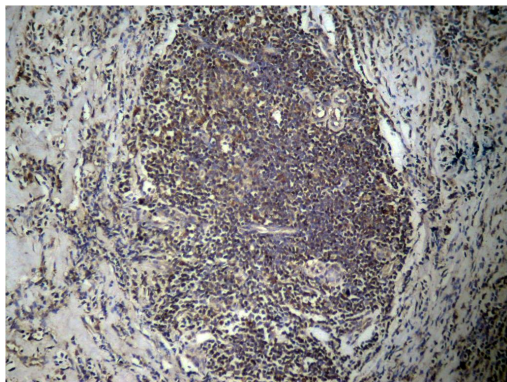
Western Blot: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

## Images



Western blot analysis of extracts from C6 and HeLa cells using Histone H3 (Di-Methyl-Lys27) Antibody #11583.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Histone H3 (Di-Methyl-Lys27) Antibody #11583.

## Background

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.

Note: This product is for in vitro research use only