### TriMethyl-Histone H3-K9 pAb

**Catalog No.** A2360  
**Category** Methylated Antibodies

**Applications**  
WB, IHC, IF, IP, ChIP, ChIPseq

**Observed MW** 17kDa  
**Calculated MW** 15kDa

### Immunogen Information

**Immunogen**  
A synthetic methylated peptide corresponding to residues surrounding K9 of human histone H3

**Gene ID** 8290  
**Swiss prot** Q16695

### Product Information

**Source** Rabbit  
**Isotype** IgG  
**Purification method** Affinity purification

**Storage** Store at -20°C. Avoid freeze / thaw cycles.  
Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

### Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is located separately from the other H3 genes that are in the histone gene cluster on chromosome 6p22-p21.3.

### Recommended Dilutions

<table>
<thead>
<tr>
<th>Application</th>
<th>Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>WB</td>
<td>1:500 - 1:200</td>
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<tr>
<td>IHC</td>
<td>1:50 - 1:200</td>
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<tr>
<td>IF</td>
<td>1:50 - 1:200</td>
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<tr>
<td>IP</td>
<td>1:50 - 1:200</td>
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<tr>
<td>ChIP</td>
<td>1:50 - 1:200</td>
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<tr>
<td>ChIPseq</td>
<td>1:50 - 1:200</td>
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</tbody>
</table>

### Western blot - TriMethyl-Histone H3-K9 antibody (A2360)

### Dot-blot - TriMethyl-Histone H3-K9 antibody (A2360)

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