

Mono-Methyl-Histone H3 (Lys4) Rabbit Polyclonal Antibody

Catalog #: EAB13594

| Host/Isotype | Clonality | Applications | MW (kDa) | Reactivity |
|--------------|------------|-----------------------------|----------|-------------------|
| Rabbit IgG | Polyclonal | WB, IP, IHC-P, IF/ICC, ChIP | 15 | Human, Mouse, Rat |

Applications Dilutions

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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| WB (Western Blotting) | 1:1000-5000 |
| IP (Immunoprecipitation) | 1:20-200 |
| IHC-P (Immunohistochemistry-Paraffin) | 1:50-300 |
| IF/ICC (Immunofluorescence/Immunocytochemistry) | 1:50-300 |
| ChIP (Chromatin Immunoprecipitation) | 1:10-100 |

Product Information

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| Conjugate | Unconjugate |
| Specificity | Mono-Methyl-Histone H3 (Lys4) Rabbit Polyclonal Antibody detects endogenous levels of histone H3 only when mono-methylated on Lys4. |
| Purification | Affinity purification |
| Concentration | 1mg/ml |
| Format | Liquid |
| Formulation | In PBS, pH 7.4, Containing 0.02% sodium azide, 0.5% BSA and 50% Glycerol |
| Shipping | Gel Pack |
| Storage | Store at -20°C least 1 year from the date of shipment. Avoid repeated freeze/thaw cycles. Aliquots may be stored at +4°C for 1-2 weeks |
| UniProt ID | P68431 |
| Entrez-Gene Id | 8350 |

Product Description

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an 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 found in the large histone gene cluster on chromosome 6p22-p21.3.

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