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| **Product name:** | MonoMethyl-Histone H3 (Lys4) Rabbit Monoclonal Antibody |
| **Cat number:** | MABN87554 |
| **Conjugate:** | Unconjugated |
| **Size:** | 100µL |
| **Clone:** | Monoclonal |
| **Concentration:** | 1mg/ml |
| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Immunogen:** | A synthetic methylpeptide corresponding to residues surrounding Lys4 of human Histone H3 |
| **Reactivity:** | Human,Mouse,Rat |
| **Applications:** | WB 1:1000-1:5000,IHC 1:200-1:1000,ICC/IF 1:500-1:1000 |
| **Molecular Weight:** | Calculated MW:15 kDa; Observed MW:17 kDa |
| **Purification:** | Affinity Purification |
| **Form:** | Liquid |
| **Buffer:** | Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt. |
| **Storage:** | Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles. |
| **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. |