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**[ Primary Antibody ]**

# Recombinant Rabbit Anti-H3C1 Monoclonal Antibody

**Catalog Number: SLA3047M**

**FOR RESEARCH USE ONLY**

**[ DATASHEET ]**

| | |
|---|---|
| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Monoclonal |
| **Clone No.:** | 4E13 |
| **GeneID:** | 8350 |
| **SWISS:** | P68431 |
| **Target:** | H3C1 |
| **Immunogen:** | A synthesized peptide derived from human Histone H3.1 around the methylation site of K10 |
| **Purification:** | affinity purified by Protein A |
| **Storage:** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. |
| **Applications:** | WB (1:500-2000)<br>Flow-Cyt (1:50-100)<br>ICC/IF (1:100-500)<br>IP (1:20-50)<br>ChIP (1:20-50)<br>Not yet tested in other applications.<br>Optimal working dilutions must be determined by the end user. |
| **Reactivity:** | Human,Mouse,Rat |
| **Predicted MW.:** | 15 kDa |
| **Subcellular Location:** | Nucleus |
| **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. |

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.