Customer service: service@abbkine.com
Technical support: support@abbkine.com
Website: https://www.abbkine.com

# Acetyl-Histone H3 (K9) Monoclonal Antibody (2E7)

Cat #: ABM40297 Size: 30μl /100μl /200μl

## Product Information

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| | **Product Name:** Acetyl-Histone H3 (K9) Monoclonal Antibody (2E7) | | |
| | **Applications:** IHC-P | | **Isotype:** Mouse IgG1 |
| | **Reactivity:** Human, Mouse, Rat | | |
| REF | **Catalog Number:** ABM40297 | LOT | **Lot Number:** Refer to product label |
| | **Formulation:** Liquid | | **Concentration:** 1 mg/ml |
|  | **Storage:** Store at -20°C. Avoid repeated freeze / thaw cycles. |  | **Note:** Contain sodium azide. |

**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. HIST3H3 (histone cluster 3 H3) 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. HIST3H3 is located separately from the other H3 genes that are in the histone gene cluster on chromosome 6p22-p21.3.

**Application Notes:** Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: IHC-P (1:100-1:200).

**Storage Buffer:** PBS containing 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.

**Storage Instructions:** Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

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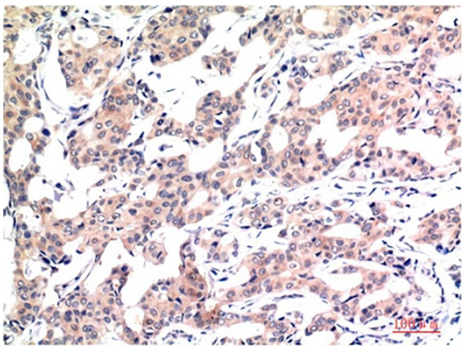
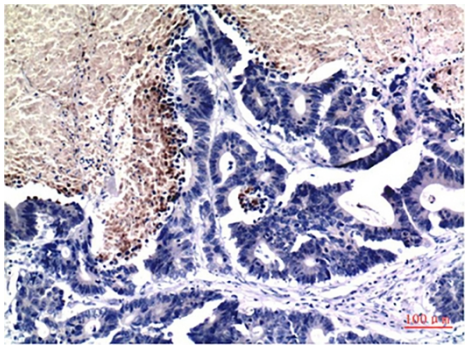
|---|---|
|  | Fig.1. Immunohistochemical analysis of paraffin-embedded Human Breast Carcinoma Tissue using Acetyl Histone H3 K9 Mouse mAb diluted at 1:200. |
|  | Fig.2. Immunohistochemical analysis of paraffin-embedded Human Stomach Tissue using Acetyl Histone H3 K9 Mouse mAb diluted at 1:200. |

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