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

Histone H3 (Tri Methyl Lys79) Monoclonal Antibody (3G3)

Cat #: ABM40091 Size: 30μl /100μl /200μl

Product Information

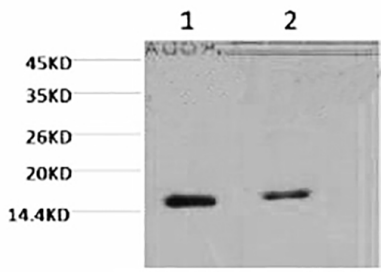
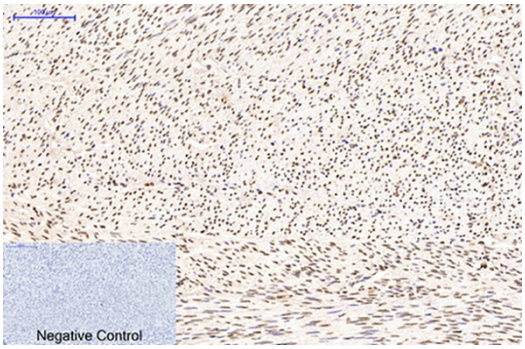
	Product Name: Histone H3 (Tri Methyl Lys79) Monoclonal Antibody (3G3)		
	Applications: WB, IHC-P, IF, IP		**Isotype:** Mouse IgG1
	Reactivity: Human, Mouse, Rat		
REF	**Catalog Number:** ABM40091	LOT	**Lot Number:** Refer to product label
	Formulation: Liquid		**Concentration:** 1 mg/ml
	Storage: Store 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. 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. HIST1H3A is intronless and encodes a replication-dependent histone that is a member of the histone H3 family. Transcripts from HIST1H3A lack polyA tails; instead, they contain a palindromic termination element. HIST1H3A is found in the large 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: WB (1:500-1:2000), IP (1:200).

Storage Buffer: PBS, pH 7.4, containing 0.02% Sodium Azide as preservative and 50% Glycerol.

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.

	Fig.1. Western blot analysis of Hela, diluted at 1) 1:2000, 2) 1:5000.
	Fig.2. Immunohistochemical analysis of paraffin-embedded human uterus tissue. 1, Histone H3 (Tri Methyl Lys79) Monoclonal Antibody (3G3) was diluted at 1:200 (4°C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C, 20min). 3, secondary antibody was diluted at 1:200 (room temperature, 30min). Negative control was used by secondary antibody only.