



HP-1 α Mouse Monoclonal Antibody (5E3)

Cat #: ABM40359

Size: 30 μ l /100 μ l /200 μ l

Product Information

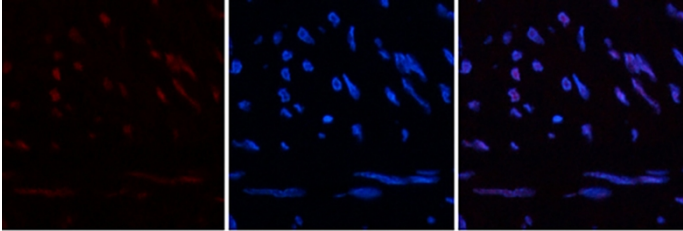
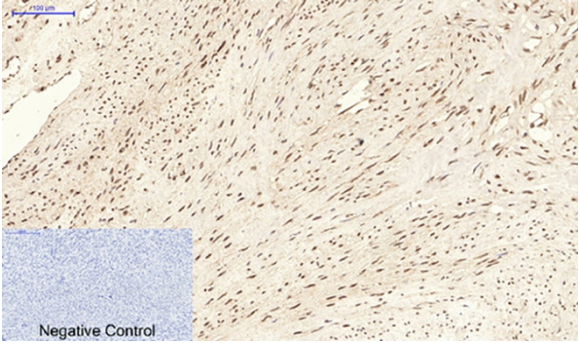
	Product Name: HP-1 α Mouse Monoclonal Antibody (5E3)		
	Applications: WB, IF, IHC-P		Isotype: Mouse IgG1
	Reactivity: Human, Mouse, Rat		
REF	Catalog Number: ABM40359	LOT	Lot Number: Refer to product label
	Formulation: Liquid		Concentration: 1 mg/ml
	Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.		Note: Contain sodium azide.

Background: CBX5 (chromobox 5) encodes a highly conserved nonhistone protein, which is a member of the heterochromatin protein family. The protein is enriched in the heterochromatin and associated with centromeres. The protein has a single N-terminal chromodomain which can bind to histone proteins via methylated lysine residues, and a C-terminal chromo shadow-domain (CSD) which is responsible for the homodimerization and interaction with a number of chromatin-associated nonhistone proteins. The encoded product is involved in the formation of functional kinetochore through interaction with essential kinetochore proteins. CBX5 has a pseudogene located on chromosome 3. Multiple alternatively spliced variants, encoding the same protein, have been identified.

Application Notes: Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), IHC-P (1:50-1:2000).

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.

 <p>A B C</p>	<p>Fig.1. Immunofluorescence analysis of human uterus tissue. 1, HP-1α Mouse Monoclonal Antibody (5E3) (red) was diluted at 1:200 (4°C, overnight). 2, Cy3 Labeled secondary antibody was diluted at 1:300 (room temperature, 50min). 3, Picture B: DAPI (blue) 10</p>
 <p>Negative Control</p>	<p>Fig.2. Immunohistochemical analysis of paraffin-embedded human uterus tissue. 1, HP-1α Mouse Monoclonal Antibody (5E3) 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.</p>

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