

# Rabbit anti-DiMethyl-Histone H3-K79 Polyclonal Antibody

Catalog Number: R16047P

General Information	
<b>Immunogen</b>	A synthetic peptide of human DiMethyl-Histone H3-K79
<b>IgG type</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Specificity</b>	Human DiMethyl-Histone H3-K79
<b>Applications &amp; dilution</b>	WB 1:500 - 1:1000 IHC 1:50 - 1:100 IF 1:50 - 1:200 IP 1:50 - 1:200 ChIP 1:50 - 1:200 ChIPseq 1:50 - 1:200
<b>Formulation</b>	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
<b>Purity</b>	≥95% purity by SDS-PAGE
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles.
<b>Abbreviation:</b> ELISA: Enzyme-linked immunosorbent assay; ITA: immunoturbidimetric assay; IP: immunoprecipitation; IHC: immunohistochemistry; IF: immunofluorescence. WB: western blot; FC: flowcytometry	

## Background

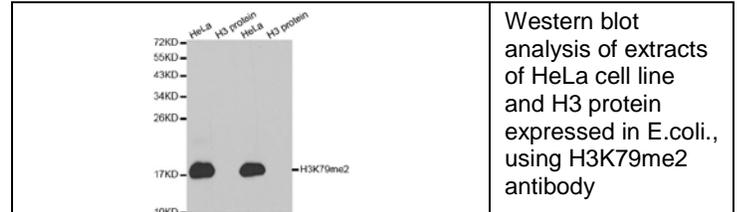
Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is located separately from the other H3 genes that are in the histone gene cluster on chromosome 6p22-p21.3.

## Preparation

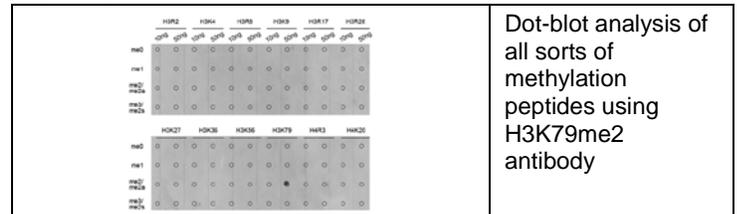
Polyclonal antibody is produced by immunizing rabbit with a synthetic peptide of human DiMethyl-Histone H3-K79 and purified using protein A resin.

## Applications

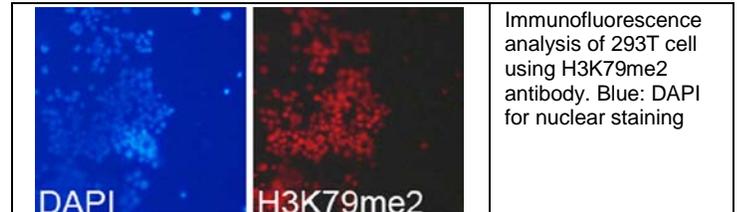
### Western blot



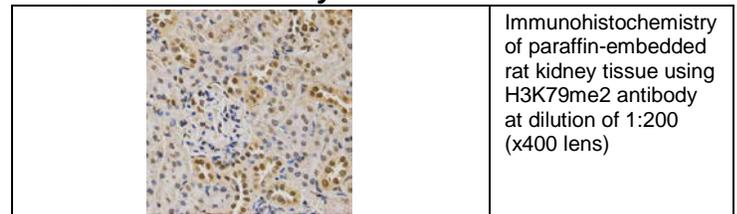
### Dot-Blot



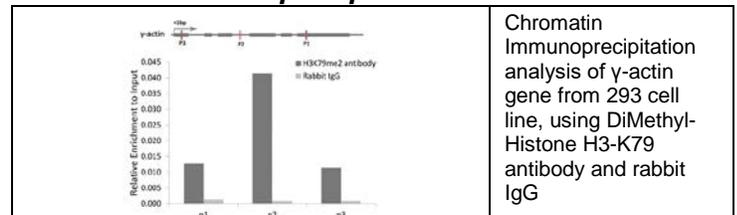
### Immunofluorescence



### Immunohistochemistry

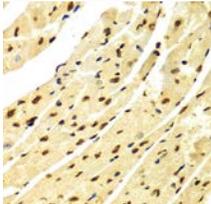
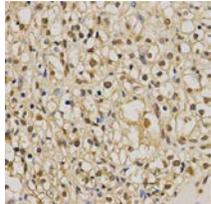


### Chromatin Immunoprecipitation



**For research use only**

**Immunohistochemistry**

	Immunohistochemistry of paraffin-embedded Mouse heart using H3K79me2 antibody at dilution of 1:100 (x400 lens)
	Immunohistochemistry of paraffin-embedded human kidney cancer tissue using H3K79me2 antibody at dilution of 1:200 (x400 lens)

**Storage**

This antibody is shipped at 4 °C. This product is stable for 12 months from date of receipt when stored at -20 °C to -70 °C. Avoid freeze/thaw cycles.

**Hazard/Biohazard**

This antibody contains 0.09% sodium azide as preservative. Please handle and dispose the product properly. No known biohazard is associated with this product.

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