Histone H3 R8Me1 Antibody

Catalog No. 13-0017

Lot No. 14351001

Pack Size 100 μg

Type Polyclonal Host Rabbit

Mol. Wgt. 15 kDa Reactivity H, M, WR

Format Aff. Pur. IgG Appl. ChIP, IF, IHC, WB

Product Description:

Histone H3 is one of the four proteins that are present in the nucleosome, the basic repeating unit subunit of chromatin, consisting of 147 base pairs of DNA wrapped around an octamer of core histone proteins (H2A, H2B, H3 and H4). Monomethylation of arginine 8 is catalyzed by PRMT2 and PRMT5.

Immunogen:

Synthetic peptide corresponding to a region of human histone H3 monomethylated at arginine 8.

Formulation:

Affinity-purified IgG (1 mg/ml) in PBS, pH 7.3, with 0.02% sodium azide and 50% glycerol.

Storage and Stability:

Stable for 2 years at -20°C from date of receipt.

Application Notes:

Recommended dilutions:

ChIP 2-5 µg per ChIP

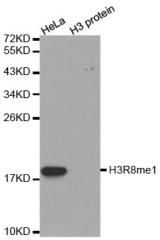
IF 1:50 - 1:200

IHC 1:50 - 1:200

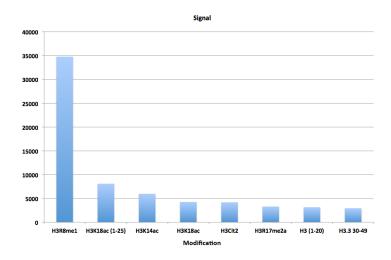
WB 1:500 - 1:2,000

References Using this Product:





Western Blot Data: HeLa cell extract (HeLa) and recombinant histone H3 (H3 protein) were blotted onto PVDF and probed with Histone H3 R8Me1 Antibody.



Specificity Data-Peptide Array: EpiTitan™ Histone Peptide array used to confirm the specificity of Histone H3 R8Me1 Antibody. Data is shown for the highest reacting single modification or unmodified peptides.

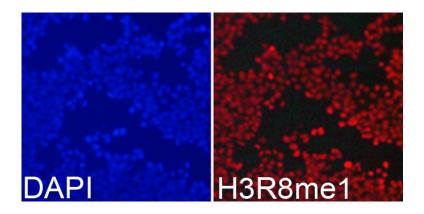
Applications Key: ChIP-Chromatin IP; E-ELISA; FACS-Flow cytometry; IF-Immunofluorescence; IHC-Immunohistochemistry; IP-Immunoprecipitation; WB-Western Blotting

Reactivity Key: B-Bovine; Ce-*C. elegans*; Ch-Chicken; Dm-*Drosophila*; Eu-Eukaryote; H-Human; M-Mouse; Ma-Mammal; R-Rat; Sc-*S. cerevesiae*; Sp-*S. pombe*; WR-Wide Range (predicted); X-Xenopus; Z-Zebrafish

This product is for *in vitro* research use only and is not intended for use in humans or animals.

	H3R2		H3K4		H3R8		H3K9		H3R17		H3R26	
	40ng	50ng	10n9	50ng	10ng	50ng	10ng	50ng	10n9	50ng	40ng	20ug
me0	0	0	0	0	0	0	0	0	0	0	0	0
me1	0	0	0	0	0	•	0	0	0	0	0	0
me2/ me2a	0	0	0	0	0	0	0	0	0	0	0	0
me3/ me2s	0	0	0	0	0	0	0	0	0	0	0	0
	H3K27		H3K36		H3K56		H3K79		H4R3		H4K20	
me0	0	0	0	0	0	0	0	0	0	0	0	0
me1	0	0	0	0	0	0	0	0	0	0	0	0
me2/ me2a	0	0	0	0	0	0	0	0	0	0	0	0
me3/ me2s	0	0	0	0	0	0	0	0	0	0	0	0

Specificity Data-Dot Blot: Peptide dot blot used to confirm the specificity of Histone H3 R8Me1 Antibody. Methylated peptides corresponding to the immunogen and related sites were spotted onto PVDF and probed with the antibody.



Immunofluorescence Data: HEK293T cells stained with HIstone R8Me1 antibody (red) and counterstained with DAPI (blue).