

ChIP Validated H3K9me1 (Clone RM150) Antibody with Positive Primer Set

Catalogue no: 900031



Chromatrap®'s ChIP Validated H3K9me1 Antibody with Positive Primer Set provides a complete set of tools to assist with a successful ChIP assay. Including: H3K9me1 antibody, control rabbit IgG, positive and negative primer sets. The ChIP Validated H3K9me1 Antibody with Positive Primer Sets is not suitable for use with non-human species.

Background:

Histone 3 is one of the core histone proteins, comprising the protein component of chromatin. Histones 3 monomethyl lysine 9 (H3K9me1) is a histone mark associated with gene activation. It is enriched at the transcriptional start site of genes and is detected in active gene promoters, where it can characterise active gene transcription.

A rabbit IgG is included in this Antibody Primer Set as a negative control for the ChIP experiment.

The H3K9me1 positive primer set recognises the promoter of the SAT2 gene.

Suggested Usage:

Component	Suggested Dilution	Figure
H3K9me1	2:1 (antibody: chromatin)	1
Rabbit IgG	2:1 (antibody: chromatin)	1
Positive Primer Set	Dilute from 4µM (provided) to 1µM working concentration	

Please note: Optimal dilutions should be determined by the user. These volumes are stated as guidelines only.

Advancements in Epigenetics

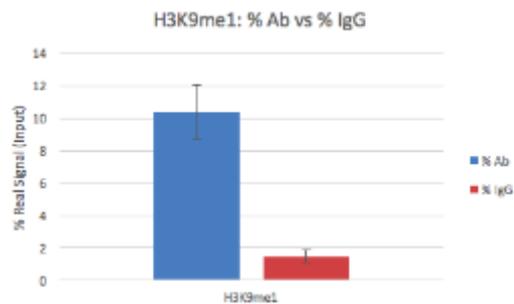
*This product is for research use only. There is a possibility that results may vary between antibody lots.



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Fig 1. H3K9me1 CHIP qPCR

Chromatin immunoprecipitation (ChIP) assays were performed using the Chromatrap® standard ChIP spin column sonication kit for qPCR (Cat no. 500071) with 1 µg of chromatin from Hec50 cells and 2 µg of Anti-H3K9me1 antibody. qPCR was used to analyse the enrichment of H3K9me1 onto the positive gene locus and was compared to the non-specific background IgG.



Applications: ChIP

Concentration: 1mg/ml

Size: 50µl

Specificity: Human

Storage Conditions: The H3K9me1 antibody should be stored at +4°C. Rabbit IgG and positive primer set should all be stored at -20°C (Avoid multiple freeze/thaw cycles as this may denature the antibody and degrade the primer sets)

Source: Rabbit

Type: Monoclonal

Purification: Protein A (affinity purified)

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