



Anti H3K4me3, Clone RM137

Catalogue no: 700010

Applications: CHIP, WB, ELISA, Multiplex

Concentration: 1mg/ml

Size: 100µl

Specificity: Human

Source: Rabbit

Type: Monoclonal

Purification: Protein A (affinity purified)

Storage: -20°C

Background:

Histone 3 (H3) is one of the core histone proteins, comprising the protein component of chromatin. H3 is ubiquitous within chromosomes and can be found bound to most gene sequences throughout the genome. Tri-methylation of lysine 4 is associated with transcriptional start sites and gene activation.

Immunogen:

An trimethyl-peptide corresponding to trimethyl-histone H3 (Lys 4).

Buffer:

PBS with 1% BSA and 0.09% sodium azide.

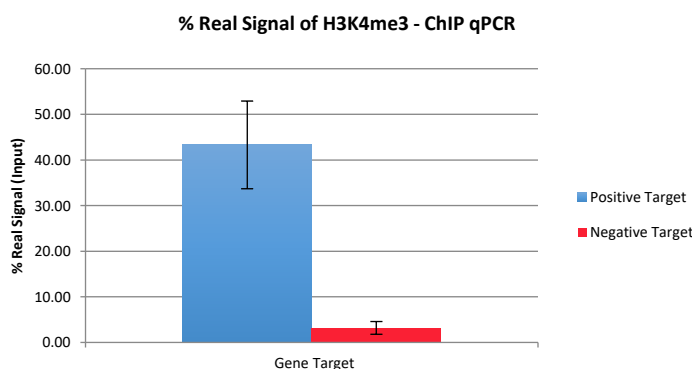
Applications:

Application	Suggested Dilution	Figure
Chromatin Immunoprecipitation	2µg: 1µg (antibody: chromatin)	1
Western Blot	0.2µg/mL - 1µg/mL	
ELISA	0.1µg/mL – 0.5µg/mL	
Multiplex	0.1µg/mL – 0.5µg/mL	

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

Fig 1. H3K4me3 CHIP qPCR

Chromatin immunoprecipitation (ChIP) assays were performed using the Chromatrap® standard ChIP spin column sonication kit for qPCR (Cat no. 500071) with 1ug of chromatin from Hec50 cells and 2ug of Anti-H3K4me3 antibody. qPCR was used to analyse the enrichment of H3K4me3 onto the positive gene target locus compared with the negative gene target locus.



Advancements in Epigenetics

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