



ChIP Validated H3 Antibody and Positive Primer Set

Catalogue no: 900010

Chromatrap®'s ChIP Validated H3 Antibody and Positive Primer Set provides a complete set of tools to assist with a successful ChIP assay. Including: H3 antibody, control mouse IgG, and a positive primer set. The ChIP Validated H3 Antibody and Positive Primer Set is not suitable for use with non-human species.

Background:

Histone 3 (H3) 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. It therefore serves as an abundant antibody target for ChIP.

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

The H3 positive primer set recognises the promoter of a gene associated with active transcription and is a suitable target for this antibody.

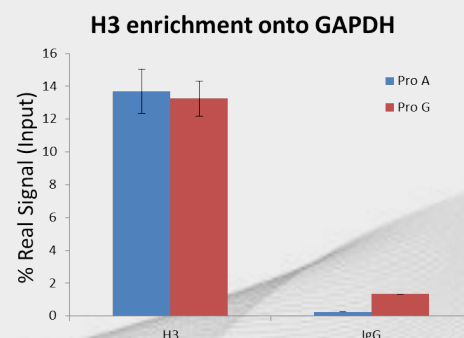
Suggested Usage:

Component	Suggested Dilution	Figure
H3	2:1 (antibody: chromatin)	1
Mouse IgG	2:1 (antibody: chromatin)	1
Positive Primer Set	Dilute from 4 μ M (provided) to 1 μ M working concentration	

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

Fig 1. H3 ChIP qPCR

Chromatin immunoprecipitation (ChIP) assays were performed using the Chromatrap® standard ChIP spin column sonication kit for qPCR (Cat no. 500071) with 1 μ g of chromatin from Hec50 cells and 2 μ g of Anti-H3 antibody. qPCR was used to analyse the enrichment of H3 onto the positive gene target locus.



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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Tel: +44 (0) 1978 666239/40
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Applications: CHIP

Concentration: 1mg/ml

Size: 50µl

Specificity: Human

Source: Mouse

Type: Monoclonal

Purification: Protein G (affinity purified)

Storage Conditions: H3, mouse 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*)

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