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ChIP Validated H4 (Clone RM212) Antibody with Positive Primer Set

Catalogue no: 900035

Chromatrap®'s ChIP Validated H4 Antibody with Positive Primer Set provides a complete set of tools to assist with a successful ChIP assay. Including: H4 antibody, control rabbit IgG, and positive primer sets. The ChIP Validated H4 Antibody with Positive Primer Set is not suitable for use with non-human species.

Background:

Histone 4 (H4) is one of the core histone proteins, comprising the protein component of chromatin. H4 is involved in the structure of chromosomes and can be found bound to most gene sequences throughout the genome. It therefore serves as an abundant antibody target for ChIP.

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

The H4 positive primer set recognises the promoter of the GAPDH gene which is associated with active transcription.

Suggested Usage:

Component	*Suggested Dilution*	*Figure*
H4	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.

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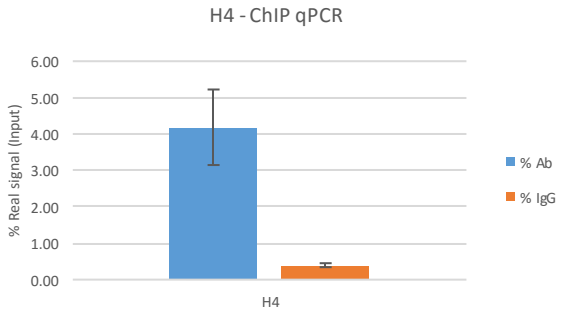
Fig 1. H4 ChIP qPCR

Chromatin immunoprecipitation (ChIP) assays were performed using the Chromatrap® standard ChIP spin column sonication kit for qPCR (Cat no. 500071) with 1µg of chromatin from Hec50 cells and 2µg of Anti-H4 antibody. qPCR was used to analyse the enrichment of the positive H4 antibody compared with the negative control rabbit IgG antibody.



Applications: ChIP
Concentration: 1mg/ml
Size: 50µl
Specificity: Human
Source: Rabbit
Type: Monoclonal
Purification: Protein A (affinity purified)

Storage Conditions: The H4 antibody, 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)