

ChIP Validated H3 (Clone RM188) Antibody with Positive Primer Set

Catalogue no: 900033



Chromatrap®'s ChIP Validated H3 Antibody with Positive Primer Set provides a complete set of tools to assist with a successful ChIP assay. Including: H3 antibody, control rabbit IgG, and positive primer sets. The ChIP Validated H3 Antibody with 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 rabbit 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 the GAPDH gene which is associated with active transcription.

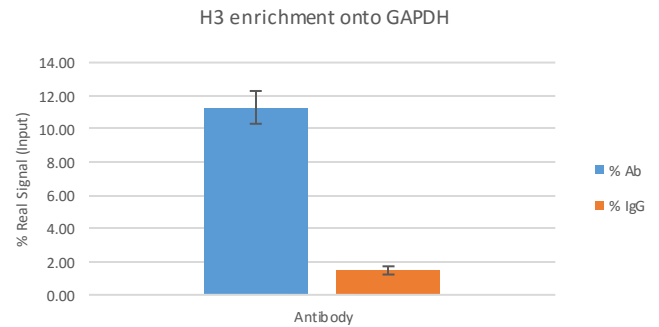
Suggested Usage:

Component	Suggested Dilution	Figure
H3	2:1 (antibody: chromatin)	1
Rabbit 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 µg of chromatin from Hec50 cells and 2 µg of Anti-H3 antibody. qPCR was used to analyse the enrichment of H3 onto the positive gene target locus.



Applications: ChIP

Concentration: 1mg/ml

Size: 50µl

Specificity: Human

Storage Conditions: The H3 antibody should be stored at +4°C. Rabbit IgG and primer sets 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)

Advancements in Epigenetics

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