



Anti-Acetyl H4

Catalogue no: 700007

Applications: ChIP, WB, IHC, ELISA

Concentration: 1mg/ml

Size: 100ul

Specificity: Human

Source: Sheep

Type: Polyclonal

Purification: Protein G (affinity purified)

Storage: +2- +8°C

Background:

Histone 4 (H4) is one of the core histone proteins, comprising the protein component of chromatin. It is the smallest subunit of chromatin. Acetylation of histone H4 occurs at several different lysine positions on the histone tail and is catalysed by a group of enzymes called histone acetyltransferases (HATs). Histone acetylation is associated with active transcription.

Immunogen:

Recognises human Histone 4 protein acetylated at lysines 5, 8, 12 and 16.

Buffer:

Affinity purified in PBS + 0.05% W/V sodium azide.

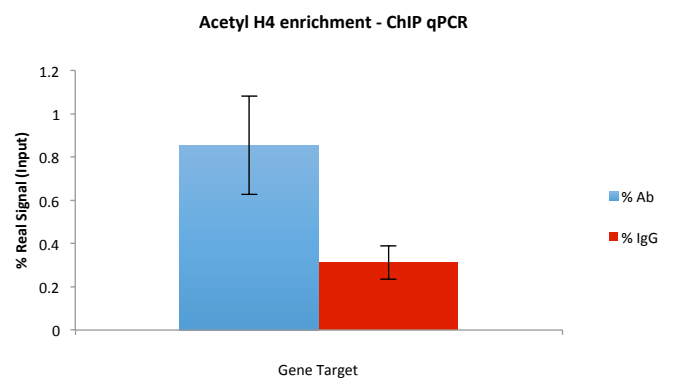
Applications:

Application	Suggested Dilution	Figure
Chromatin Immunoprecipitation	2ug: 1ug (antibody: chromatin)	1

Please note: Optimal antibody 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 1ug of chromatin from Ishikawa cells and 2ug of Anti-H4 antibody. qPCR was used to analyse the enrichment of H3 onto the positive gene locus compared with the non-specific IgG.



Advancements in Epigenetics

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