



## Anti Acetyl-H3

**Catalogue no:** 700006

**Applications:** ChIP, WB, ELISA

**Concentration:** 1mg/ml

**Size:** 100ul

**Specificity:** Human

**Source:** Sheep

**Type:** Polyclonal

**Purification:** Protein G (affinity purified)

**Storage:** +2- +8°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. Acetylation of histone H3 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 through its roles in chromatin remodelling and gene activation.

### Immunogen:

Recognises human Ach3 protein.

### Buffer:

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

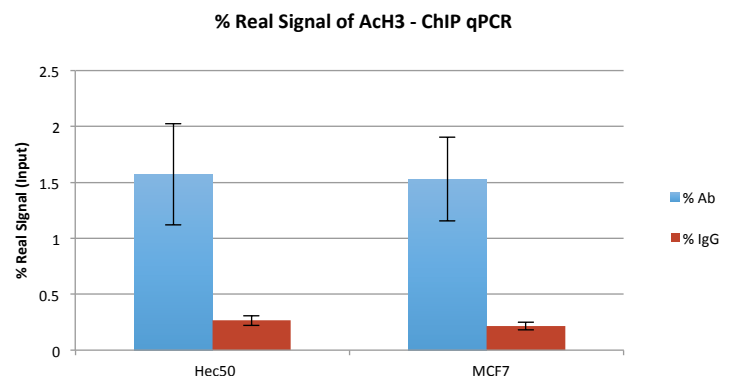
### Applications:

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 Hec50 and MCF7 cells and 2ug of Anti-Ach3 antibody. qPCR was used to analyse the enrichment of acetyl-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.