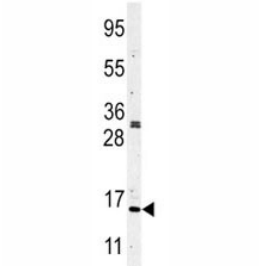
# Anti-Histone H3 Antibody (F40721)

| Catalog No. | Formulation | Size |
|---|---|---|
| F40721-0.4ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.4 ml |
| F40721-0.08ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.08 ml |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Predicted Reactivity** | Mouse, Rat, Bovine, Pig, Chicken, Zebrafish, Xenopus, Drosophila, C. elegans |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit Ig |
| **Purity** | Antigen affinity |
| **UniProt** | P84243 |
| **Applications** | Western blot: 1:1000 |
| **Limitations** | This anti-Histone H3 antibody is available for research use only. |




Western blot analysis of anti-Histone H3 in CEM lysate

## Description

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with

linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This antibody is part of a broader collection of Histone H3 antibodies used to study chromatin structure, histone modifications, and epigenetic regulation.

## Application Notes

Titration of the anti-Histone H3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 1-30 from the human protein was used as the immunogen for this anti-Histone H3 antibody.

## Storage

Aliquot the anti-Histone H3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.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