

# Histone H3 (K27ac) polyclonal antibody

Catalog # PAB19766

Size 50 ug

## Specification

|                            |   |
|----------------------------|---|
| <b>Product Description</b> | Rabbit polyclonal antibody raised against synthetic peptide of Histone H3 (K27ac).  |
| <b>Immunogen</b>           | A synthetic peptide (conjugated with KLH) corresponding to Histone H3, acetylated at lysine 27.   |
| <b>Host</b>                | Rabbit  |
| <b>Reactivity</b>          | Human   |
| <b>Form</b>                | Liquid  |
| <b>Purification</b>        | Affinity purification   |
| <b>Recommend Usage</b>     | ELISA (1:100)<br>Western Blot (1:1000)<br>ChIP/ChIP-seq (1-2 ug/ChIP)<br>Dot Blot (1:25000)<br>The optimal working dilution should be determined by the end user. |
| <b>Storage Buffer</b>      | In PBS (0.05% sodium azide, 0.05% Proclin 300)  |
| <b>Storage Instruction</b> | Store at -20°C. For long term storage store at -80°C.<br>Aliquot to avoid repeated freezing and thawing.  |
| <b>Note</b>                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.  |

## Applications

- ChIP
- Western Blot
- Enzyme-linked Immunoabsorbent Assay

- Dot Blot

## Gene Info — HIST3H3

**Entrez GeneID** [8290](#)

**Gene Name** HIST3H3

**Gene Alias** H3.4, H3/g, H3FT, H3t, MGC126886, MGC126888

**Gene Description** histone cluster 3, H3

**Omim ID** [602820](#)

**Gene Ontology** [Hyperlink](#)

**Gene Summary** Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is located separately from the other H3 genes that are in the histone gene cluster on chromosome 6p22-p21.3. [provided by RefSeq]

**Other Designations** H3 histone family, member T|OTTHUMP00000037945|histone 3, H3

## Pathway

- [Systemic lupus erythematosus](#)