

# Anti-Histone H3 (Acetyl-K56) Antibody

Catalog # AP61413

## Product Information

|                   |                                                                          |
|-------------------|--------------------------------------------------------------------------|
| Application       | WB                                                                       |
| Primary Accession | <a href="#">P68431</a>                                                   |
| Other Accession   | <a href="#">Q71DI3</a> , <a href="#">P84243</a> , <a href="#">Q6NXT2</a> |
| Reactivity        | Human, Mouse, Rat, Zebrafish, Pig, Chicken, Bovine                       |
| Host              | Rabbit                                                                   |
| Clonality         | Polyclonal                                                               |
| Calculated MW     | 15404                                                                    |

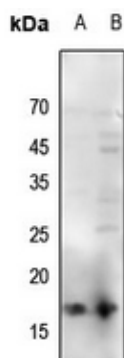
## Additional Information

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID            | 8350;8351;8352;8353;8354;8355;8356;8357;8358;8968                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Other Names        | HIST1H3A; H3FA; HIST1H3B; H3FL; HIST1H3C; H3FC; HIST1H3D; H3FB; HIST1H3E; H3FD; HIST1H3F; H3FI; HIST1H3G; H3FH; HIST1H3H; H3FK; HIST1H3I; H3FF; HIST1H3J; H3FJ; Histone H3.1; Histone H3/a; Histone H3/b; Histone H3/c; Histone H3/d; Histone H3/f; Histone H3/h; Histone H3/i; Histone H3/j; Histone H3/k; Histone H3/l; HIST2H3A; HIST2H3C; H3F2; H3FM; HIST2H3D; Histone H3.2; Histone H3/m; Histone H3/o; H3F3A; H3.3A; H3F3; PP781; H3F3B; H3.3B; Histone H3.3; H3F3C; Histone H3.3C; Histone H3.5 |
| Target/Specificity | KLH-conjugated synthetic acetylated peptide corresponding to residues surrounding K56 of human Histone H3 protein. The exact sequence is proprietary.                                                                                                                                                                                                                                                                                                                                                   |
| Dilution           | WB~~WB (1/500 - 1/1000)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Format             | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                               |
| Storage            | Store at -20 °C.Stable for 12 months from date of receipt                                                                                                                                                                                                                                                                                                                                                                                                                                               |

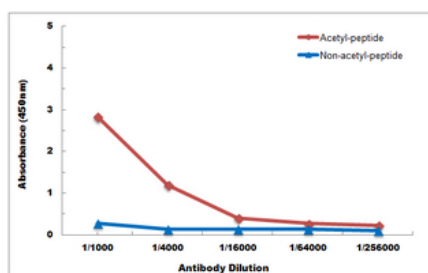
## Protein Information

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name     | H3C1 ( <a href="#">HGNC:4766</a> )                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Synonyms | H3FA, HIST1H3A                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Function | Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling. |

## Images



Western blot analysis of Histone H3 (Acetyl-K56) expression in rat kidney (A), rat lung (B) whole cell lysates. (Predicted band size: 15 kD; Observed band size: 17 kD)



Direct ELISA antibody dose-response curve using Anti-Histone H3 (Acetyl-K56) Antibody. Antigen (Acetyl-peptide and non-acetyl-peptide) concentration is 5 ug/ml. Goat Anti-Rabbit IgG (H&L) - HRP was used as the secondary antibody, and signal was developed by TMB substrate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.