

# Anti-Histone H3 (Acetyl-K18) Antibody

Catalog # AP60311

## Product Information

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

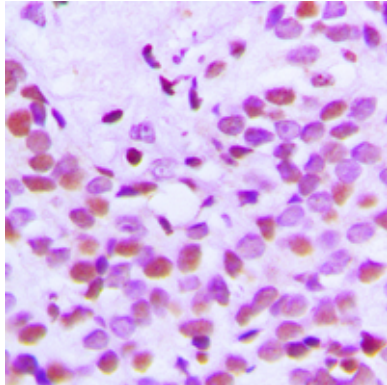
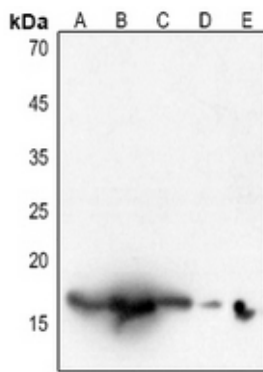
## Additional Information

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 |
| Target/Specificity | KLH-conjugated synthetic acetylated peptide corresponding to residues surrounding K18 of human Histone H3 protein. The exact sequence is proprietary.                                                                                                                                                                                                                                                                                                               |
| Dilution           | WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200), IF/IC (1/100 - 1/500) IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200), IF/IC (1/100 - 1/500) IF/IC~~N/A                                                                                                                                                                                                                                                                                                                 |
| 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                                                                                                                                                                                                                                                                                                                                                                                                           |

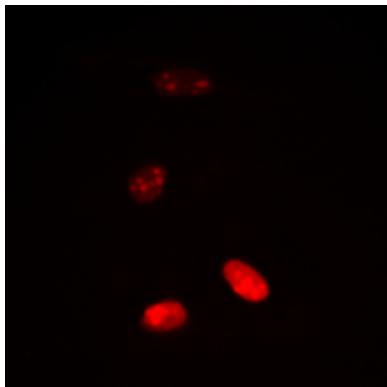
## Protein Information

## Images

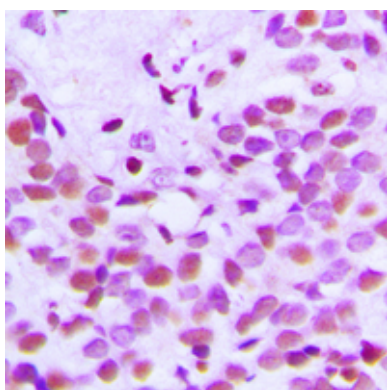
Western blot analysis of Histone H3 (Acetyl-K18) expression in Hela (A), HGC27 (B), mouse lung (C), mouse liver (D), rat liver (E) whole cell lysates. (Predicted band size: 15 kD; Observed band size: 17 kD)



Immunohistochemical analysis of Histone H3 (Acetyl-K18) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of Histone H3 (Acetyl-K18) staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.



Immunohistochemical analysis of Histone H3 (AcK18) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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