

# Product Data Sheet

## Anti-Histone H4 (pS47) Antibody

| Catalog #                | Source                                                                                                                                                                                | Reactivity | Applications |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------|
| CPA9391                  | Rabbit                                                                                                                                                                                | H, M, R    | WB, IH       |
| <b>Description</b>       | Rabbit polyclonal to Histone H4 (pS47)                                                                                                                                                |            |              |
| <b>Immunogen</b>         | KLH-conjugated synthetic peptide encompassing a sequence of human Histone H4.<br>The exact sequence is proprietary.                                                                   |            |              |
| <b>Purification</b>      | The antibody was purified by affinity chromatography.                                                                                                                                 |            |              |
| <b>Specificity</b>       | Recognizes endogenous levels of Histone H4 (pS47) protein.                                                                                                                            |            |              |
| <b>Clonality</b>         | Polyclonal                                                                                                                                                                            |            |              |
| <b>Form</b>              | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                                                                             |            |              |
| <b>Dilution</b>          | WB (1/1000 - 1/2000), IH (1/100 - 1/200)                                                                                                                                              |            |              |
| <b>Gene Symbol</b>       | HIST1H4A; HIST1H4B; HIST1H4C; HIST1H4D; HIST1H4E; HIST1H4F; HIST1H4H; HIST1H4I; HIST1H4J; HIST1H4K; HIST1H4L; HIST2H4A; HIST2H4B; HIST4H4                                             |            |              |
| <b>Alternative Names</b> | H4/A; H4FA; H4/I; H4FI; H4/G; H4FG; H4/B; H4FB; H4/J; H4FJ; H4/C; H4FC; H4/H; H4FH; H4/M; H4FM; H4/E; H4FE; H4/D; H4FD; H4/K; H4FK; H4/N; H4F2; H4FN; HIST2H4; H4/O; H4FO; Histone H4 |            |              |
| <b>Entrez Gene</b>       | 121504 (Human); 100041230 (Mouse); 100360950 (Rat)                                                                                                                                    |            |              |
| <b>SwissProt</b>         | P62805 (Human); P62806 (Mouse); P62804 (Rat)                                                                                                                                          |            |              |
| <b>Storage/Stability</b> | Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.                                                                                      |            |              |

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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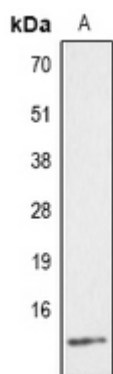
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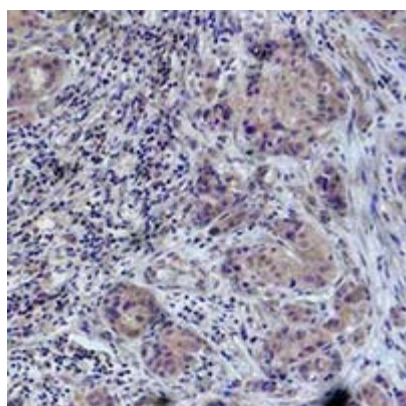
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## Product Data Sheet



Western blot analysis of Histone H4 (pS47) expression in Hela Nocodazole-treated (A) whole cell lysates.



Immunohistochemical analysis of Histone H4 (pS47) 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.

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