

**ImuGeX GmbH**

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| Product OverView      |                                                                                                  |
|-----------------------|--------------------------------------------------------------------------------------------------|
| Product name          | Anti-Acetyl-Histone H2B (K108) Antibody                                                          |
| Catalog No            | IGX-40106                                                                                        |
| Supplier's Catalog No | IGX-40106                                                                                        |
| Supplier              | ImuGeX                                                                                           |
| Host species          | Rabbit                                                                                           |
| Species reactivity    | Human                                                                                            |
| Applications          | ELISA, ICC, IF, ChIP                                                                             |
| Recommended dilutions | ICC: 1:1-1:10, IF: 1:1-1:10                                                                      |
| Molecular weight      | N/A                                                                                              |
| Conjugate             | Unconjugated                                                                                     |
| Immunogen             | Peptide sequence around site of Acetyl-Lys (108) derived from Human Histone H2B type 1-C/E/F/G/I |
| Specificity           | Acetyl-HIST1H2BC (K108) antibody detects endogenous level of Acetyl-HIST1H2BC (K108) protein     |

| Product Properties |                                                                                                                                                                                                                      |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage            | Store at +4°C for short term (1 week), for long term aliquote and store at -20°C or -80°C. Avoid repeated freeze and thaw cycles, with each freeze and thaw cycle an antibody can lose half of its binding activity. |
| Clonality          | Polyclonal                                                                                                                                                                                                           |
| Isotype            | IgG                                                                                                                                                                                                                  |
| Clone ID           | N/A                                                                                                                                                                                                                  |
| Concentration      | Concentration can vary between different batches.                                                                                                                                                                    |
| Storage buffer     | Phosphate-buffered saline (pH 7.4) containing 0.03% Proclin and 50% Glycerol.                                                                                                                                        |
| Formulation        | Liquid                                                                                                                                                                                                               |
| Purification       | This antibody is immunogen affinity purified.                                                                                                                                                                        |
| Handling           | This product contains Proclin as preservative, please take appropriate care when handling this product.                                                                                                              |
| Reactivity life    | 12 months when stored properly according to instructions (provided antibody remains sterile).                                                                                                                        |

| Target Gene           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| Description           | 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. Has broad antibacterial activity. May contribute to the formation of the functional antimicrobial barrier of the colonic epithelium, and to the bactericidal activity of amniotic fluid. |
| Other names           | Histone H2B type 1-C/E/F/G/I, Histone H2B.1 A, Histone H2B.a, H2B/a, Histone H2B.g, H2B/g, Histone H2B.h, H2B/h, Histone H2B.k, H2B/k, Histone H2B.l, H2B/l, HIST1H2BC, HIST1H2BE, HIST1H2BF, HIST1H2BG, HIST1H2BI, H2BFL, H2BFH, H2BFG, H2BFA, H2BFK                                                                                                                                                                                                                                                                                                                                                                                           |
| Cellular localization | Nucleus, Chromosome                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Research area         | Epigenetics & Nuclear Signaling                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Note                  | This product is for research purpose only, not for use in diagnostics or as therapeutics.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Uniprot ID            | P62807                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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| Product Citations |
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