

# Immunotag™ H3K14me1 Antibody

| Antibody Specification |                                                                                                                                                                    |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No.            | ITA7313                                                                                                                                                            |
| Product Description    | Immunotag™ H3K14me1 Antibody                                                                                                                                       |
| Size                   | 100 µg, 200 µg                                                                                                                                                     |
| Conjugation            | HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647                                      |
| IMPORTANT NOTE         | This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return. |
| Target Protein         | H3K14me1                                                                                                                                                           |
| Clonality              | Polyclonal                                                                                                                                                         |
| Storage/Stability      | -20°C/1 year                                                                                                                                                       |
| Application            | WB,ELISA                                                                                                                                                           |
| Recommended Dilution   | WB 1:500-1:2000 IHC 1:50-1:200 IF 1:20-1:50                                                                                                                        |
| Concentration          | 1 mg/ml                                                                                                                                                            |
| Reactive Species       | Human,Mouse,Rat                                                                                                                                                    |
| Host Species           | Rabbit                                                                                                                                                             |
| Immunogen              | A synthetic peptide of human H3K14me1                                                                                                                              |
| Specificity            | H3K14me1 Antibody detects endogenous levels of total H3K14me1                                                                                                      |
| Purification           | The antiserum was purified by peptide affinity chromatography.                                                                                                     |
| Form                   | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt        |
| Gene Name              | HIST3H3                                                                                                                                                            |
| Accession No.          | Q16695                                                                                                                                                             |

## Antibody Specification

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| Alternate Names           | <p>;H3.3A; HIST1 cluster, H3E; H3 histone family, member A; H3.1; H3/l; H3F3; H3FF; H3FJ; H3FL; Histone gene cluster 1, H3 histone family, member E; histone H3.1t; Histone H3/o; FLJ92264; H 3; H3; H3 histone family, member B; H3 histone family, member C; H3 histone family, member D; H3 histone family, member F; H3 histone family, member H; H3 histone family, member I; H3 histone family, member J; H3 histone family, member K; H3 histone family, member L; H3 histone family, member T; H3 histone, family 3A; H3/A; H3/b; H3/c; H3/d; h3/f; H3/h; H3/i; H3/j; H3/k; H3/t; H31_HUMAN; H3F1K; H3F3A; H3FA; H3FB; H3FC; H3FD; H3FH; H3FI; H3FK; HIST1 cluster, H3A; HIST1 cluster, H3B; HIST1 cluster, H3C; HIST1 cluster, H3D; HIST1 cluster, H3F; HIST1 cluster, H3G; HIST1 cluster, H3H; HIST1 cluster, H3I; HIST1 cluster, H3J; HIST1H3A; HIST1H3B; HIST1H3C; HIST1H3D; HIST1H3E; HIST1H3F; HIST1H3G; HIST1H3H; HIST1H3I; HIST1H3J; HIST3H3; Histone 1, H3a; Histone 1, H3b; Histone 1, H3c; Histone 1, H3d; Histone 1, H3e; Histone 1, H3f; Histone 1, H3g; Histone 1, H3h; Histone 1, H3i; Histone 3, H3; histone cluster 1 H3 family member a; histone cluster 1 H3 family member b; histone cluster 1 H3 family member c; histone cluster 1 H3 family member d; histone cluster 1 H3 family member e; histone cluster 1 H3 family member f; histone cluster 1 H3 family member g; histone cluster 1 H3 family member h; histone cluster 1 H3 family member i; histone cluster 1 H3 family member j; Histone cluster 1, H3a; Histone cluster 1, H3b; Histone cluster 1, H3c; Histone cluster 1, H3d; Histone cluster 1, H3e; Histone cluster 1, H3f; Histone cluster 1, H3g; Histone cluster 1, H3i; Histone cluster 1, H3j; Histone gene cluster 1, H3 histone family, member A; Histone gene cluster 1, H3 histone family, member B; Histone gene cluster 1, H3 histone family, member C; Histone gene cluster 1, H3 histone family, member D; Histone gene cluster 1, H3 histone family, member F; Histone gene cluster 1, H3 histone family, member G; Histone gene cluster 1, H3 histone family, member H; Histone gene cluster 1, H3 histone family, member I; Histone gene cluster 1, H3 histone family, member J; Histone gene cluster 1, H3A; Histone gene cluster 1, H3B; Histone gene cluster 1, H3C; Histone gene cluster 1, H3D; Histone gene cluster 1, H3E; Histone gene cluster 1, H3F; Histone gene cluster 1, H3G; Histone gene cluster 1, H3H; Histone gene cluster 1, H3I; Histone gene cluster 1, H3J; Histone H 3; Histone H3.1; Histone H3.2; Histone H3.3; 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; Histone H3/m;</p> |
| Description               | <p>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.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Cell Pathway/<br>Category | Primary Polyclonal Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Protein MW                | 15kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Usage                     | For Research Use Only! Not for diagnostic or therapeutic procedures.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |