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# Immunotag™ Histone H2B Polyclonal Antibody

## Antibody Specification

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| Catalog No. | ITT5501 |
| Product Description | Immunotag™ Histone H2B Polyclonal Antibody |
| Size | 50 µg, 100 µg |
| Conjugation | HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluo |
| IMPORTANT NOTE | This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cann eligible for return. |
| Target Protein | Histone H2B |
| Clonality | Polyclonal |
| Storage/Stability | -20°C/1 year |
| Application | WB,IHC-p,ELISA |
| Recommended Dilution | Western Blot: 1/500 - 1/2000. IHC-p: 1/100-1/300. ELISA: 1/20000. Not yet tested in other applications. |
| Concentration | 1 mg/ml |
| Reactive Species | Human,Mouse,Rat |
| Host Species | Rabbit |
| Immunogen | Synthesized peptide derived from the Internal region of human Histone H2B. |
| Specificity | Histone H2B Polyclonal Antibody detects endogenous levels of Histone H2B protein. |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-spec |
| Form | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Gene Name | HIST1H2BC/HIST1H2BE/HIST1H2BF/HIST1H2BG/HIST1H2BI/HIST1H2BD/HIST1H2BH/HIST1H2BK/HIST1H2 |
| Accession No. | P33778/P62807/P58876/Q93079/P06899/O60814/Q99880/Q99879/Q99877/P23527 |
| Alternate Names | HIST1H2BB; H2BFF; Histone H2B type 1-B; Histone H2B.1; Histone H2B.f; H2B/f; HIST1H2BC; H2BFL; HI HIST1H2BG; H2BFA; HIST1H2BI; H2BFK; Histone H2B type 1-C/E/F/G/I; Histone H2B.1 A; Histone H2B.a; H2B/h; Histone H2B.k; H2B/k; Histone H2B.l; H2B/l; HIST1H2BD; H2BFB; HIRIP2; Histone H2B type 1-D; Histone H2B.b; H2B/b; HIST1H2BH; H2BFJ; Histone H2B type 1-H; Histone H2B.j; H2B/j; HIST1H2BJ; H2B Histone H2B.r; H2B/r; HIST1H2BK; H2BFT; HIRIP1; Histone H2B type 1-K; H2B K; HIRA-interacting protei L; Histone H2B.c; H2B/c; HIST1H2BM; H2BFE; Histone H2B type 1-M; Histone H2B.e; H2B/e; HIST1H2BN H2B.d; H2B/d; HIST1H2BO; H2BFH; H2BFN; Histone H2B type 1-O; Histone H2B.2; Histone H2B.n; H2B/n |

## Antibody Specification

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| Description | histone cluster 1 H2B family member b(HIST1H2BB) Homo sapiens Histones are basic nuclear proteins structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DN composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is furt linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. replication-dependent histone that is a member of the histone H2B family. Transcripts from this gene l palindromic termination element. This gene is found in the large histone gene cluster on chromosome |
| Cell Pathway/ Category | Systemic lupus erythematosus, |
| Protein Expression | Epithelium, |
| Subcellular Localization | nuclear chromosome, telomeric region,nucleosome,nuclear nucleosome,nucleus,nucleoplasm,cytoplas |
| Protein Function | function:Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones remodeling.,PTM:Monoubiquitination of Lys-121 by the RNF20/40 complex gives a specific tag for epige prerequisite for histone H3 'Lys-4' and 'Lys-79' methylation. It also functions cooperatively with the FA polymerase II.,PTM:Phosphorylated on Ser-15 by STK4/MST1 during apoptosis; which facilitates apoptot phosphorylated on Ser-15 in response to DNA double strand breaks (DSBs), and in correlation with som class-switch recombination.,similarity:Belongs to the histone H2B family.,subunit:The nucleosome is a each of H2A, H2B, H3 and H4 assembled in one H3-H4 heterotetramer and two H2A-H2B heterodimers. DNA., |
| Usage | For Research Use Only! Not for diagnostic or therapeutic procedures. |