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|--------------------------|-------------------------------------------------------------------------------------------------------|
| <b>Product name:</b>     | Histone H2B Rabbit Polyclonal Antibody                                                                |
| <b>Cat number:</b>       | ABN12063                                                                                              |
| <b>Conjugate:</b>        | Unconjugated                                                                                          |
| <b>Size:</b>             | 100µL                                                                                                 |
| <b>Clone:</b>            | Polyclonal                                                                                            |
| <b>Concentration:</b>    | 1mg/ml                                                                                                |
| <b>Host:</b>             | Rabbit                                                                                                |
| <b>Isotype:</b>          | IgG                                                                                                   |
| <b>Immunogen:</b>        | The antiserum was produced against synthesized peptide derived from human Histone H2B. AA range:10-59 |
| <b>Reactivity:</b>       | Human,Mouse,Monkey                                                                                    |
| <b>Applications:</b>     | WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:10000                              |
| <b>Molecular Weight:</b> | 14kDa                                                                                                 |
| <b>Purification:</b>     | Affinity purification                                                                                 |
| <b>Form:</b>             | Liquid                                                                                                |
| <b>Buffer:</b>           | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.                    |
| <b>Storage:</b>          | Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.          |

**Background:**

H2BFS is a Pseudogene. Histone H2B type 1-H is a 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. Diseases associated with H2BFS include endometrial stromal sarcoma. Among its related pathways are Packaging Of Telomere Ends. Gene Ontology (GO) annotations related to this gene include sequence-specific DNA binding and protein heterodimerization activity. An important paralog of this gene is HIST1H2BH. DNA packaging,chromatin organization,chromatin assembly or disassembly,nucleosome assembly,defense response,response to bacterium,chromatin assembly,cellular macromolecular complex subunit organization,cellular macromolecular complex assembly,nucleosome organization,defense response to bacterium,macromolecular complex subunit organization,chromosome organization,macromolecular complex assembly,protein-DNA complex assembly,