Anti-Acetyl-Histone H2B-K12 antibody (STJ118067)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IHC-P/IF/ICC/ELISA/ChIP
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat/Other

PRODUCT PROPERTIES

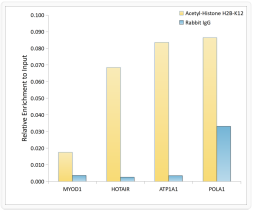
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:1000 IHC-P:1:50-1:200 IF/ICC:1:50-1:200 ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specific assay requirements. ChIP:5 Mu g antibody for 5 Mu g-10 Mu g of Chromati
Formulation	PBS with 0.01% Thimerosal, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 14kDa Observed Mw: 14kDa
Storage Instruction	Store at-20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

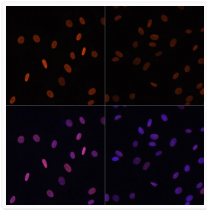
Gene ID	3017/8339/8343/8344/8346/8347 8349
Gene Symbol	H2BC4.H2BC6.H2BC7.H2BC8.H2BC10 H2BC21
UniProt ID	H2B1C_HUMAN H2B2E_HUMAN
Immunogen Sequence	APKKG
Specificity	A synthetic acetylated peptide around K12 of human Histone H2B (NP_003519.1).

ADDITIONAL INFORMATION

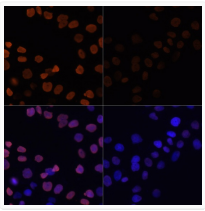
Note	STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



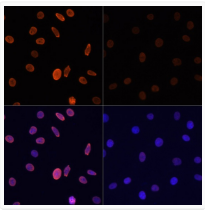
Chromatin immunoprecipitation analysis of extracts of HeLa cells, using Acetyl-Histone H2B-K12 antibody (STJ118067) and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



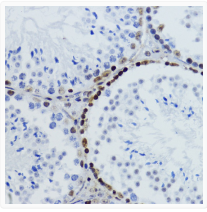
Immunofluorescence analysis of NIH/3T3 cells using Acetyl-Histone H2B-K12 Rabbit polyclonal antibody (STJ118067) at dilution of 1:100. NIH/3T3 cells were treated by TSA (1 uM) at 37 °C for 18 hours (top left). Blue: DAPI for nuclear staining.



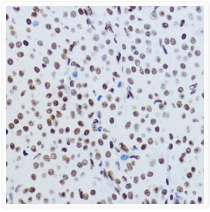
Immunofluorescence analysis of HeLa cells using Acetyl-Histone H2B-K12 Rabbit polyclonal antibody (STJ118067) at dilution of 1:100. HeLa cells were treated by TSA (1 uM) at 37 °C for 18 hours (top left). Blue: DAPI for nuclear staining.



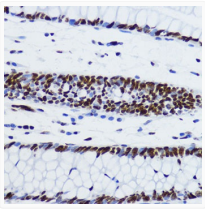
Immunofluorescence analysis of C6 cells using Acetyl-Histone H2B-K12 Rabbit polyclonal antibody (STJ118067) at dilution of 1:100. C6 cells were treated by TSA (1 uM) at 37 °C for 18 hours (top left). Blue: DAPI for nuclear staining.



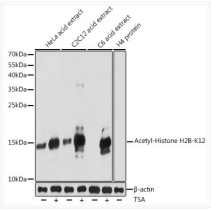
Immunohistochemistry analysis of Acetyl-Histone H2B-K12 in paraffin-embedded mouse testis using Acetyl-Histone H2B-K12 Rabbit polyclonal antibody (STJ118067) at dilution of 1:200 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7. 2 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of Acetyl-Histone H2B-K12 in paraffin-embedded rat ovary using Acetyl-Histone H2B-K12 Rabbit polyclonal antibody (STJ118067) at dilution of 1:200 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7. 2 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of Acetyl-Histone H2B-K12 in paraffin-embedded human colon using Acetyl-Histone H2B-K12 Rabbit polyclonal antibody (STJ118067) at dilution of 1:200 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7. 2 before commencing with immunohistochemistry staining protocol.



Western blot analysis of various lysates using Acetyl-Histone H2B-K12 Rabbit polyclonal antibody (STJ118067) at 1:1000 dilution. HeLa cells and C2C12 cells and C6 cells were treated by TSA (1 uM) at 37 °C for 18 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.