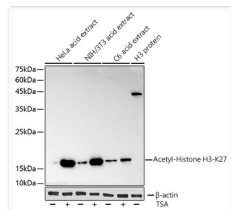
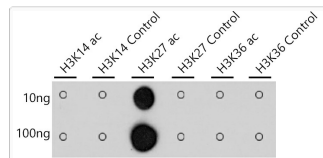


Anti-Acetyl-Histone H3-K23 antibody [S8MR] (STJ11103508)

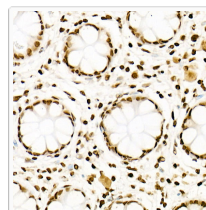
GENERAL INFORMATION	
Product Type	Primary antibodies
Applications	WB/DB/IHC-P/IF/ICC/IP/ELISA/ChIP
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat/Other
PRODUCT PROPERTIES	
Clonality	Monoclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:10000-1:120000 DB:1:500-1:2000 IHC-P:1:500-1:1000 IF/ICC:1:50-1:200 IP:0.5 Mu g-4 Mu g antibody for 200 Mu g-400 Mu g extracts of whole cells ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentr
Formulation	PBS with 0.05% Proclin300, 0.05% BSA, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 15kDa Observed Mw: 17kDa
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	8350/8351/8352/8353/8354/8355/8356/8357/8358/89688290
Gene Symbol	H3C1.H3C2.H3C3.H3C4.H3C6.H3C7.H3C8.H3C10.H3C11.H3C12H31_HUMANH31T_HUMAN
Immunogen Sequence	MARTKQTARKSTGGKAPRKQ LATKAARKSAPATGGVKKPH RYRPGTVALREIRRYQKSTE LLIRKLFPQRLVREIAQDFK TDLRFQSSAVMALQEACEAY
Specificity	A synthetic acetylated peptide around K27 of human Histone H3 (P68431).
ADDITIONAL INFORMATION	
Note	STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



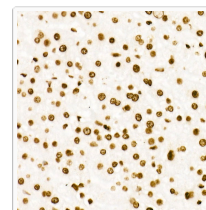
Western blot analysis of extracts of various cell lines, using Acetyl-Histone H3-K27 antibody (STJ11103508) at 1:1000 dilution. HeLa NIH/3T3 and C6 cells were treated by TSA (1 μ M) at 37 °C for 18 hours. Secondary antibody: HRP Goat Anti-rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% non-fat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 180s.



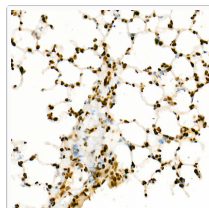
Dot-blot analysis of all sorts of peptides using Acetyl-Histone H3-K27 antibody (STJ11103508) at 1:1000 dilution.



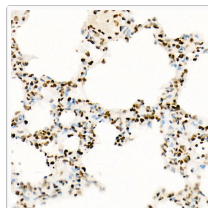
Immunohistochemistry analysis of paraffin-embedded human colon using Acetyl-Histone H3-K27 rabbit monoclonal antibody (STJ11103508) at dilution of 1:1000 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



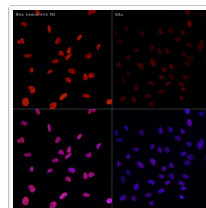
Immunohistochemistry analysis of paraffin-embedded human liver cancer using Acetyl-Histone H3-K27 rabbit monoclonal antibody (STJ11103508) at dilution of 1:1000 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



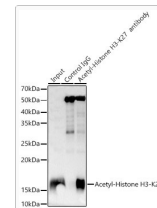
Immunohistochemistry analysis of paraffin-embedded mouse lung using Acetyl-Histone H3-K27 rabbit monoclonal antibody (STJ11103508) at dilution of 1:1000 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



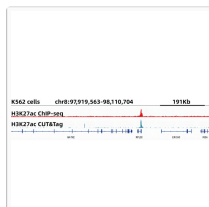
Immunohistochemistry analysis of paraffin-embedded rat lung using Acetyl-Histone H3-K27 rabbit monoclonal antibody (STJ11103508) at dilution of 1:1000 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



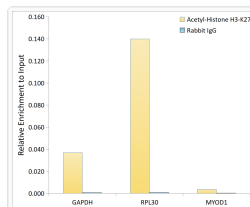
Immunofluorescence analysis of HeLa treated with TSA and HeLa cells using Acetyl-Histone H3-K27 rabbit monoclonal antibody (STJ11103508) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 600 μ g extracts of HeLa TSA cells using 5 μ g Acetyl-Histone H3-K27 antibody (STJ11103508). Western blot was performed from the immunoprecipitate using Acetyl-Histone H3-K27 antibody (STJ11103508) at a dilution of 1:50000.



CUT&Tag was performed using the CUT&Tag Assay Kit (pAG-Tn5) for Illumina (RK20265) from 105 K562 cells with 2 μ g Acetyl-Histone H3-K27 rabbit monoclonal antibody, along with a Goat Anti-rabbit IgG (H+L). The CUT&Tag results indicate the enrichment pattern of Acetyl-Histone H3-K27 in representative gene loci (RPL30), as shown in figure.



Chromatin immunoprecipitation analysis of extracts of HeLa cells, using Acetyl-Histone H3-K27 antibody (STJ11103508) 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.

