

Anti-Acetyl-Histone H4-K5 antibody [S7MR] (STJ11101677)

GENERAL INFORMATION

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

PRODUCT PROPERTIES

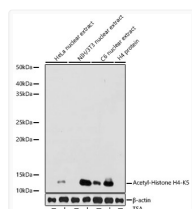
Clonality	Monoclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:1000 DB:1:500-1:1000 IHC-P:1:50-1:200 IF/ICC:1:50-1:200 ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.02% Sodium Azide, 0.05% BSA, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 11kDa Observed Mw: 11kDa
Storage Instruction	Store at-20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

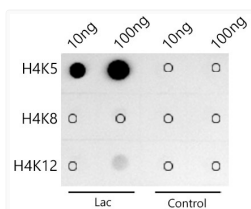
Gene ID	121504/554313/8294/8359/8360/8361/8362/8363/8364/8365/8366/8367/8368/8370
Gene Symbol	H4C1.H4C2.H4C3.H4C4.H4C5.H4C6.H4C8.H4C9.H4C11.H4C12.H4C13.H4C14.H4C15.H4C16
UniProt ID	H4_HUMAN
Immunogen Sequence	MSGRGKGGKGLGKGAKRHR KVLRDNIQGITKPAIRRLAR RGGVKRISGLIYEETRGVLK VFLENVIRDAVITYTEHAKRK TVTAMDVVYALKRQGRTLYG
Specificity	A synthetic acetylated peptide around K5 of human Histone H4 (P62805).

ADDITIONAL INFORMATION

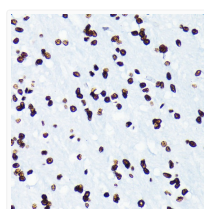
Note **STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.**



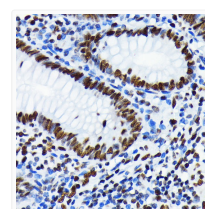
Western blot analysis of extracts of various cell lines, using Acetyl-Histone H4-K5 antibody (STJ11101677) at 1:1000 dilution. HeLa cells and NIH/3T3 cells and C6 cells were treated by TSA (1 uM) at 37 °C for 18 hours. Secondary antibody: HRP Goat Anti-rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% non-fat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 10s.



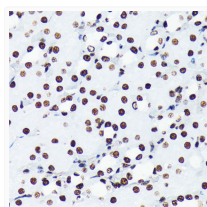
Dot-blot analysis of all sorts of peptides using Acetyl-Histone H4-K5 antibody (STJ11101677) at 1:1000 dilution.



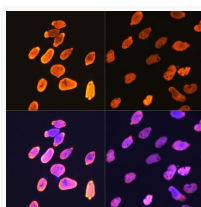
Immunohistochemistry analysis of paraffin-embedded rat brain using Acetyl-Histone H4-K5 antibody (STJ11101677) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7. 2 before commencing with immunohistochemistry staining protocol.



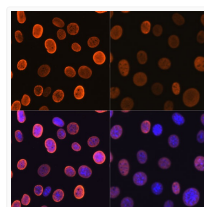
Immunohistochemistry analysis of paraffin-embedded human appendix using Acetyl-Histone H4-K5 antibody (STJ11101677) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7. 2 before commencing with immunohistochemistry staining protocol.



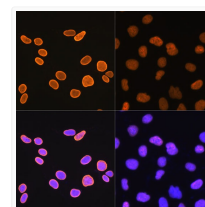
Immunohistochemistry analysis of paraffin-embedded mouse kidney using Acetyl-Histone H4-K5 antibody (STJ11101677) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7. 2 before commencing with immunohistochemistry staining protocol.



Immunofluorescence analysis of C6 cells using Acetyl-Histone H4-K5 antibody (STJ11101677). C6 cells were treated by TSA (1 uM) at 37 °C for 18 hours (left). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH-3T3 cells using Acetyl-Histone H4-K5 antibody (STJ11101677). NIH-3T3 cells were treated by TSA (1 uM) at 37 °C for 18 hours (left). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U-2 OS cells using Acetyl-Histone H4-K5 antibody (STJ11101677). U-2 OS cells were treated by TSA (1 uM) at 37 °C for 18 hours (left). Blue: DAPI for nuclear staining.