Anti-Di-Methyl-Histone H3-K27 antibody (16-37) (STJ23988)

GENERAL INFORMATION

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

PRODUCT PROPERTIES

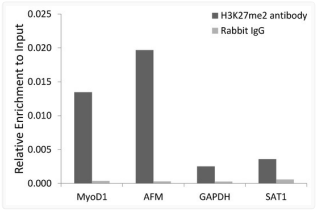
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:1000 DB:1:500-1:1000 IHC-P:1:50-1:200 IF/ICC:1:50-1:200 ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specific assay requirements. ChIP:5 Mu g antibody for 5 Mu g
Formulation	PBS with 0.05% Proclin300, 50% Glycerol, pH7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 16kDa 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

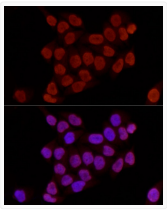
Gene ID	8290 8350/8351/8352/8353/8354/8355/8356/8357/8358/8968
Gene Symbol	H3-4 H3C1.H3C2.H3C3.H3C4.H3C6.
UniProt ID	H31T_HUMAN H31_HUMAN
Immunogen Region	16-37
Immunogen Sequence	MARTKQTARKSTGGKAPRKQ LATKAARKSAPATGGVKKPH RYRPGTVALREIRRYQKSTE LLIRKLPFQRLVREIAQDFK TDLRFQSSAVMALQEACEAY
Specificity	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human histone H3 (NP_003520.1).

ADDITIONAL INFORMATION

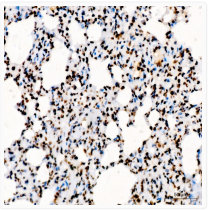
Note	STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



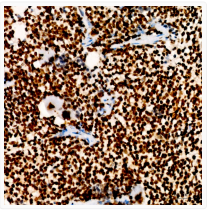
Chromatin immunoprecipitation analysis of extracts of 293 cell line, using DiMethyl-Histone H3-K27 antibody (STJ23988) and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



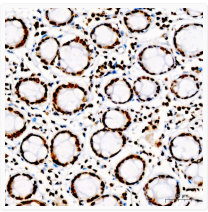
Immunofluorescence analysis of HeLa cells using DiMethyl-Histone H3-K27 Rabbit polyclonal antibody (STJ23988) at dilution of 1:20 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



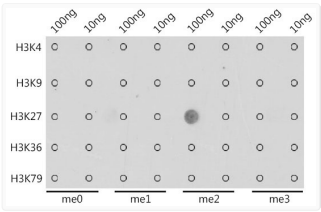
Immunohistochemistry analysis of DiMethyl-Histone H3-K27 in paraffin-embedded rat lung tissue using DiMethyl-Histone H3-K27 Rabbit polyclonal antibody (STJ23988) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0. 01 M citrate buffer (pH 6. 0) prior to immunohistochemistry staining.



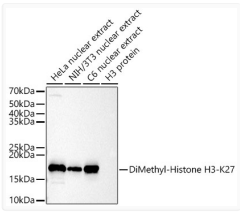
Immunohistochemistry analysis of DiMethyl-Histone H3-K27 in paraffin-embedded mouse spleen tissue using DiMethyl-Histone H3-K27 Rabbit polyclonal antibody (STJ23988) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0. 01 M citrate buffer (pH 6. 0) prior to immunohistochemistry staining.



Immunohistochemistry analysis of DiMethyl-Histone H3-K27 in paraffin-embedded human colon tissue using DiMethyl-Histone H3-K27 Rabbit polyclonal antibody (STJ23988) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0. 01 M citrate buffer (pH 6. 0) prior to immunohistochemistry staining.



Dot-blot analysis of all sorts of methylation peptides using DiMethyl-Histone H3-K27 antibody (STJ23988) at 1:1000 dilution.



Western blot analysis of various lysates, using DiMethyl-Histone H3-K27 Rabbit polyclonal antibody (STJ23988) at 1:1000 dilution. 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: 180s.