St John's Laboratory

Anti-Tri-Methyl-Histone H3-Lys79 antibody [3G3] (STJ96993)

STJ96993

GENERAL INFORMATION

Product Type Primary antibodies

Short Description Mouse monoclonal antibody anti-Tri-Methyl-Histone H3.1 and Histone H3.2 and Histone H3.3-Lys79 is suitable for use in Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry and Immunoprecipitation research applications.

Applications WB, IHC-P, IF, ICC, IP

Host/Source Mouse

Reactivity Human, Mouse, Rat

PRODUCT PROPERTIES

Clonality Monoclonal

Clone ID 3G3

Concentration

Conjugation Unconjugated

Purification The antibody was isolated from ascitic fluid by immunoaffinity chromatography using antigens coupled to agarose beads.

Dilution Range WB 1:500-2000
IP 1:200
IF 1:200
IHC 1:50-300

Formulation PBS, pH 7.4, 0.5% BSA, 0.02% Sodium Azide and 50% Glycerol.

Isotype IgG1

Storage Instruction Store at-20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

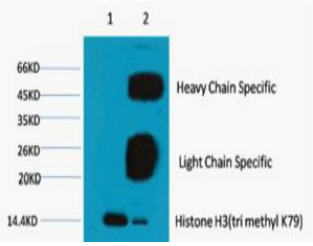
Gene ID 3020/3021
126961/333932/653604
H3-3A.H3-3B
H3C15.H3C14.H3C13
H33_HUMAN
H32_HUMAN
H31_HUMAN

Immunogen Synthetic peptide of Histone H3 (Tri Methyl Lys79)

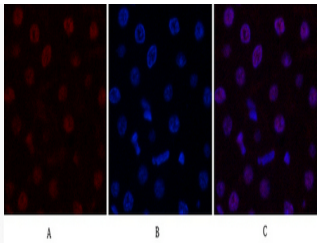
Immunogen Region

Specificity Tri-Methyl-Histone H3-Lys79monoclonal antibody (Histone H3.1 and Histone H3.2 and Histone H3.3) binds to endogenous Histone H3.1 and Histone H3.2 and Histone H3.3.

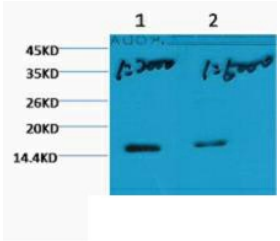
Immunogen Sequence



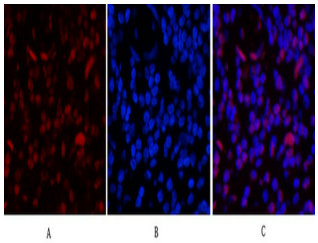
1) Input: Hela Cell Lysate , 2) IP product: IP dilute 1:200



Immunofluorescence analysis of Rat-liver tissue. 1, Histone H3 (Tri Methyl Lys79) monoclonal antibody (3G3) (red) was diluted at 1:200 (4°C, overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300 (room temperature, 50min).3, Picture B: DAPI (blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Western blot analysis of Hela, diluted at 1) 1:2000 , 2) 1:5000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA).



Immunofluorescence analysis of Human-appendix tissue. 1, Histone H3 (Tri Methyl Lys79) monoclonal antibody (3G3) (red) was diluted at 1:200 (4°C, overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300 (room temperature, 50min).3, Picture B: DAPI (blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B