

Histone H3 (Di Methyl Lys79) rabbit pAb

Cat No.:ES20551

For research use only

Overview

Product Name	Histone H3 (Di Methyl Lys79) rabbit pAb
Host species	Rabbit
Applications	WB
Species	Human;Mouse;Rat
Cross-Reactivity	
Recommended dilution	WB: 1:500-1000
Immunogen	Synthetic Peptide of Histone H3 (Di Methyl Lys79)
Specificity	The antibody detects endogenous Histone H3 (Di Methyl Lys79) protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Histone H3.1/Histone H3.2/Histone H3.3
Gene Name	HIST1H3A/HIST1H3B/HIST1H3C/HIST1H3D/HIST1H3E/HIST1H3F/HIST1H3G/HIST1H3H/HIST1H3I/HIST1H3J/HIST2H3A/HIST2H3C/HIST2H3D/H3F3A/H3F3B
Cellular localization	Nucleus. Chromosome.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal





Y

Concentration

Observed band 15-17kD

Human Gene ID

8350/8351/8352/8353/8354/8355/8356/8357/8358/8968

Human Swiss-Prot Number

P68431/Q71DI3/P84243

Alternative Names

H3K79ME2; HIST1H3A; H3FA; HIST1H3B; H3FL; HIST1H3C; H3FC; HIST1H3D; H3FB; HIST1H3E; H3FD; HIST1H3F; H3FI; HIST1H3G; H3FH; HIST1H3H; H3FK; HIST1H3I; H3FF; HIST1H3J; H3FJ; Histone H3.1; Histone H3/a; Histone H3/b; Histone H3/c; Histone H3/d; Histone H3/f; H

Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6p22-p21.3. [provided by RefSeq, Aug 2015],

Western blot analysis of 1) HeLa, 2) 3T3, 3) Rat Liver Tissue, diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA).

