ELK Biotechnology

Histone H3 (Di Methyl Lys27) rabbit pAb

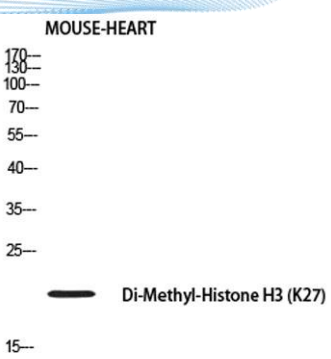
Cat No.:ES8429

For research use only

Overview

Product Name	Histone H3 (Di Methyl Lys27) rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	Synthesized peptide derived from human Histone H3 around the di-methylation site of K27.
Specificity	Di-Methyl-Histone H3 (K27) Polyclonal Antibody detects endogenous levels of Histone H3 around the methylation site of K27 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/Histone H3.3C
Gene Name	HIST1H3A/HIST1H3/HIST1H3C/HIST1H3D/HIST1H3E/HIST1H3F/HIST1H3G/HIST1H3H/HIST1H3I/HIST1H3J/HIST2H3A/HIST2H3C/HIST2H3D/H3F3A/H3F3B/H3F3C
Cellular localization	Nucleus. Chromosome.
Purific	The antibody was affinity-purified from rabbit antiserum by

ation	affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	17kD
Human Gene ID	8350
Human Swiss-Prot Number	P68431
Alternative Names	H3K27ME2; 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 MOUSE-HEART using Di-Methyl-Histone H3 (K27) Polyclonal Antibody antibody. Antibody was diluted at 1:500. Secondary antibody(catalog#:RS0002) was diluted at 1:20000

+86-27-59760950 ELKbio@ELKbiotech.com www.elkbiotech.com

23-2, No.388 Gaoxin 2nd Road,Wuhan East Lake Hi-tech Development Zone, Hubei , P.R.C