

Recombinant Histone H3 (Di Methyl Lys79) Monoclonal Antibody

catalog number: AN301181L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

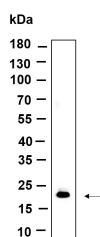
Description

Reactivity	Human;Mouse;Rat
Immunogen	A synthetic peptide corresponding to residues around (Di Lys79) of Human Methyl-Histone H3
Host	Rabbit
Isotype	IgG,k
Clone	B940
Purification	Protein A
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications Recommended Dilution

IHC	1:500-1:2000
WB	1:2000-1:10000
IF	1:200-1:1000
ELISA	1:5000-1:20000

Data

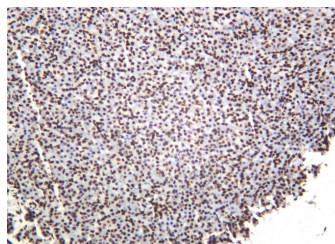


Western Blot with Recombinant Histone H3 (Di Methyl Lys79) Monoclonal Antibody at dilution of 1:1000 dilution.

Lane A: NIH/3T3 lysate.

Observed-MW:17 kDa

Calculated-MW:15 kDa



Immunohistochemistry of paraffin-embedded human pancreas using Recombinant Histone H3 (Di Methyl Lys79) Monoclonal Antibody at dilution of 1:200.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

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.

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