

35-1348: Polyclonal Antibody to Histone H3 (Di-Methyl-Lys27)

Clonality :	Polyclonal
Application :	WB,IHC
Reactivity :	Human,Mouse,Rat
Gene :	HIST1H3A
Gene ID :	8350
Uniprot ID :	P68431
Format :	Purified
Alternative Name :	H3/a,H3/c,H3/d,H3/f,H3/h
Isotype :	Rabbit IgG
Immunogen Information :	Peptide sequence around Di-Methylation site of lysine 27(A-R-K(di-methyl)-S-A) derived from Human Histone H3.

Description

Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.

Product Info

Amount :	50 μ l / 100 μ l
Content :	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Predicted MW: 17kd, Western blotting: 1:500~1:1000, Immunohistochemistry: 1:50~1:100

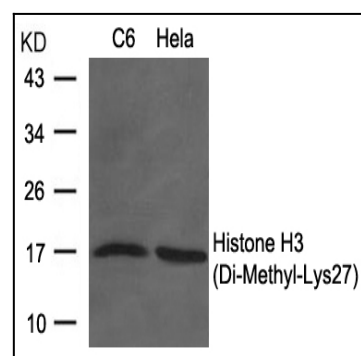


Figure 1: Western blot analysis of extracts from C6 and HeLa cells using Histone H3 (Di-Methyl-Lys27) Antibody 35-1348 .

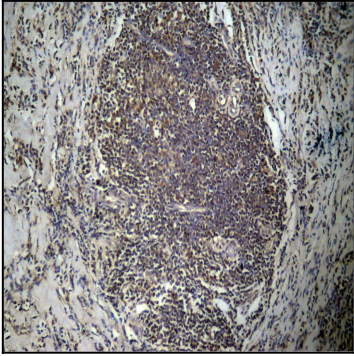


Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Histone H3 (Di-Methyl-Lys27) Antibody 35-1348 .