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

Clonality: Polyclonal Application: WB,IHC

Reactivity: Human, Mouse, Rat

Gene: HIST1H3A Gene ID: 8350 P68431 **Uniprot ID:** Format: Purified

Alternative Name: H3/a,H3/c,H3/d,H3/f,H3/h

Isotype: Rabbit IgG

Peptide sequence around Di-Methylation site of lysine 27(A-R-K(di-methyl)-S-A) derived from Immunogen Information:

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

 $50 \mu l / 100 \mu l$ Amount:

Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM Content:

NaCl, 0.02% sodium azide and 50% glycerol.

Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid Storage condition:

repeated freeze and thaw cycles.

Application Note

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

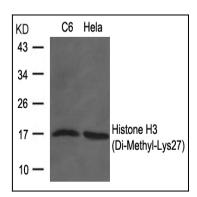


Figure 1: Western blot analysis of extracts from C6 and Hela cells using Histone H3 (Di-Methyl-Lys27) Antibody 35-1348.



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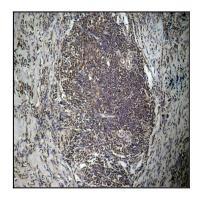


Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Histone H3 (Di-Methyl-Lys27) Antibody 35-1348 .