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35-1347: Polyclonal Antibody to Histone H3 (Tri-Methyl-Lys27)

Clonality :	Polyclonal
Application :	WB,IHC,IF
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 Tri-Methylation site of lysine 27(A-R-K(tri-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 µl / 100 µl
Content :	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), 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, Immunofluorescence: 1:100~1:200

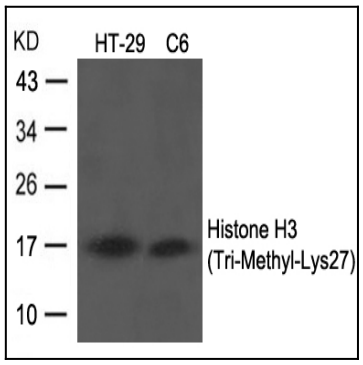

Figure 1: Western blot analysis of extracts from HT29 and C6 cells using Histone H3 (Tri-Methyl-Lys27) Antibody 35-1347 .

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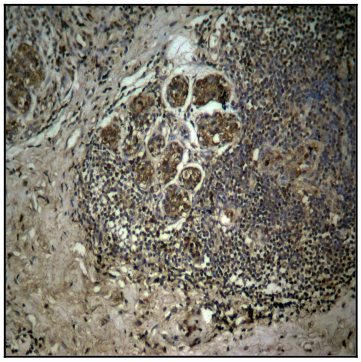

Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Histone H3 (Tri-Methyl-Lys27) Antibody 35-1347 .

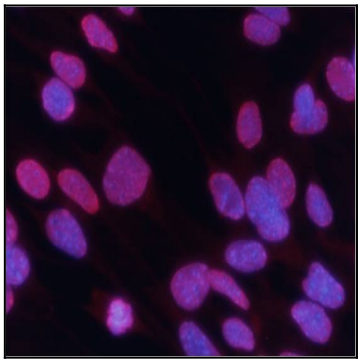

Figure 3: Immunofluorescence staining of methanol-fixed MEF cells using Histone H3 (Tri-Methyl-Lys27) Antibody 35-1347 .