

35-1857: Polyclonal Antibody to Histone H3 (Ab-27)

Clonality :	Polyclonal
Application :	WB
Reactivity :	Human,Mouse,Rat
Gene :	HIST1H3A
Gene ID :	8350
Uniprot ID :	P68431
Format :	Purified
Alternative Name :	H3/A, H3FA
Isotype :	Rabbit IgG
Immunogen Information :	Peptide sequence around aa.26-30(A-R-K-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. Choi H.S., Choi B.Y., Cho Y.-Y., Zhu F., Bode A.M., Dong Z.J. Biol. Chem. 280:13545-13553(2005)

Product Info

Amount :	50 µl / 100 µl
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

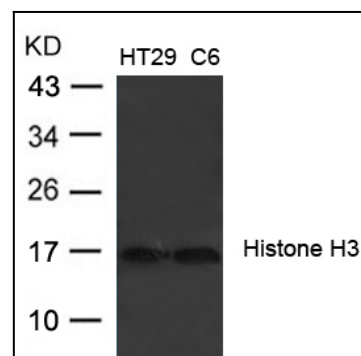


Figure 1: Western blot analysis of extracts from HT29 and C6 cells using Histone H3 (Ab-27) Antibody 35-1857 .