

Histone H3 (Ab-27) Antibody

Catalog No: #21689



Package Size: #21689-1 50ul #21689-2 100ul

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Description

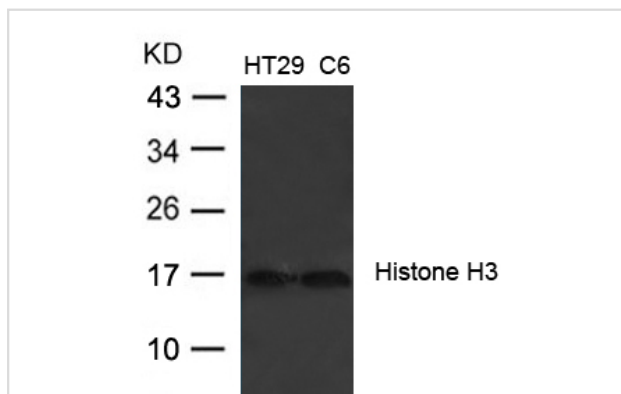
Product Name	Histone H3 (Ab-27) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total Histone H3 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.26-30(A-R-K-S-A) derived from Human Histone H3.
Target Name	Histone H3
Other Names	H3/A; H3FA
Accession No.	Swiss-Prot: P68431NCBI Gene ID: 8350NCBI mRNA: NM_003529.2 NCBI Protein: NP_003520.1
Concentration	1.0mg/ml
Formulation	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	Store at -20°C

Application Details

Predicted MW: 17kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from HT29 and C6 cells using Histone H3 (Ab-27) Antibody #21689.

Background

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)
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Published Papers

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[PMID:22252725](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.