

Histone H3 (Ab-27) Antibody

Catalog No: #21689

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

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

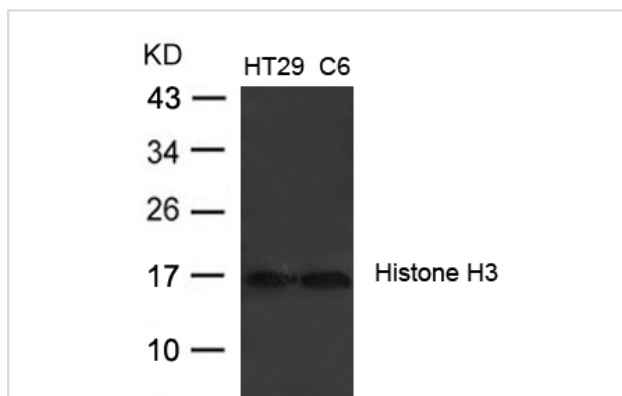
Product Name	Histone H3 (Ab-27) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	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
Uniprot	P68431
GeneID	8350;8351;8352;8353;8354;8355;8356;8357;8358;8968;
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

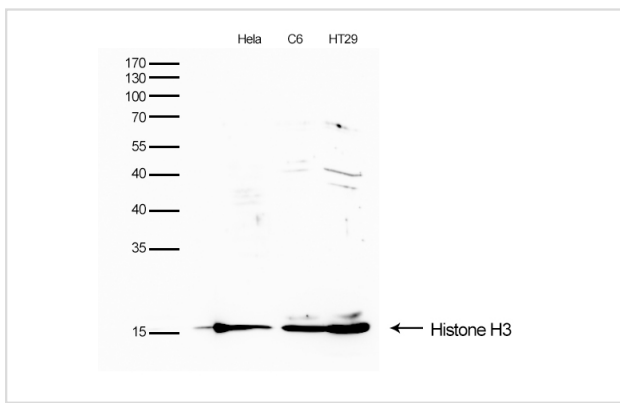
Western blotting: 1:500~1:1000

Images



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

Western blot analysis of extracts of various cell lines, 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)

Tan M., Luo H., Lee S., Jin F., Yang J.S., Montellier E., Buchou T., Cheng Z., Rousseaux S., Rajagopal N., Lu Z., Ye Z., Zhu Q., Wysocka J., Ye Y., Khochbin S., Ren B., Zhao Y. *Cell* 146:1016-1028(2011)

Note: This product is for in vitro research use only