Histone H3 (Ab-27) Antibody

Catalog No: #21689

Package Size: #21689-1 50ul #21689-2 100ul #21689-4 25ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

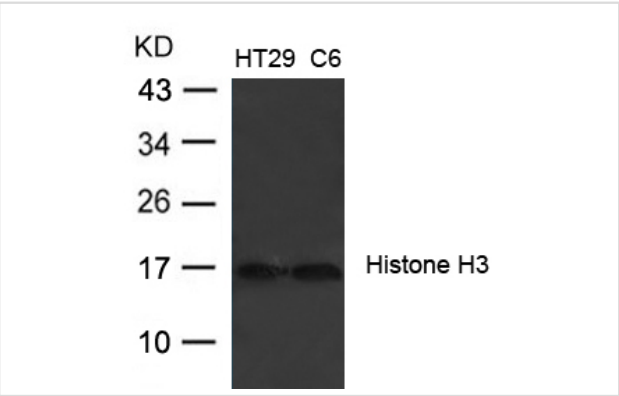
Product Name	Histone H3 (Ab-27) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	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
Concentration	1.0mg/ml
Formulation	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	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)
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)

Published Papers

Lian-Qing Sun, Bing Xue, Xiao-Jin Li el at., Inhibitory effects of Salvianolic acid B on apoptosis of Schwann cells and its mechanism induced by intermittent high glucose, Life Sciences, 90 (2012) 99B¨C108(2012)

PMID:22036624

Lian-Qing Sun, Jue Zha, TingB¨CTing Zhang el at., Protective Effects of Salvianolic Acid B on Schwann Cells Apoptosis Induced by High Glucose., Neurochem Res, 37:996B¨C1010(2012)

PMID:22252725

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