Histone H4 (Acetyl-Lys5) Antibody

Catalog No: #12070

Package Size: #12070-1 50ul #12070-2 100ul

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

Description

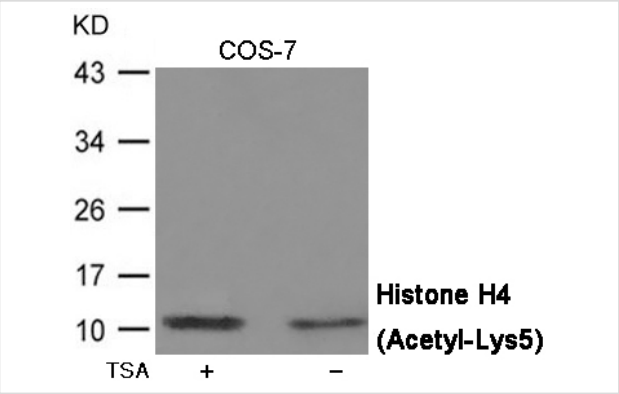
Product Name	Histone H4 (Acetyl-Lys5) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic acetylpeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific acetylpeptide. Non-acetyl specific antibodies were removed by chromatogramphy using non-acetylpeptide.
Applications	WB
Species Reactivity	Hu Ms Rt Mk
Specificity	The antibody detects endogenous level of Histone H4 only when acetylated at Lysine 5.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around acetylation site of Lysine 5(S-G-R(p)-G-K) derived from Human Histone H4.
Target Name	Histone H4
Modification	Acetyl
Other Names	H4, H4/n, H4F2, H4FN, FO108
Accession No.	Swiss-Prot#: P62805; NCBI Gene#: 8359; NCBI Protein#: NP_003529.1
Uniprot	P62805
GeneID	121504;554313;8294;8359;8360;8361;8362;8363;8364;8365;8366;8367;8368;8370;
SDS-PAGE MW	11kd
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/1 year

Application Details

Predicted MW: 11kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from COS-7 cells untreated or treated with TSA, using Histone H4 (Acetyl-Lys5) Antibody #12070.

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.

Note: This product is for in vitro research use only