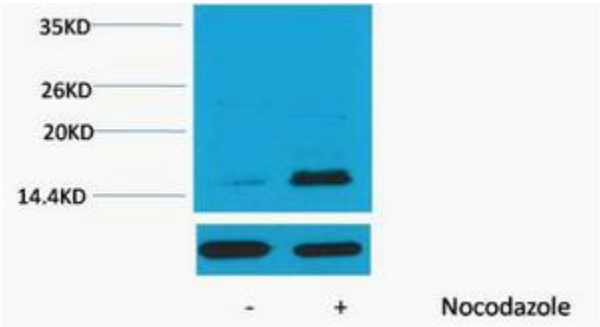
HistoneH3(Phospho-Thr32) Antibody

#11579

Catalog Number: 11579-1, 11579-2
Amount: 50μg/50μl, 100μg/100μl
Swiss-Prot No. :P68431
Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl,0.02% sodium azide and 50% glycerol.
Storage/Stability: Store at -20℃/1 year
Immunogen: The antiserum was produced against synthesized phosphopeptide derived from human Histone H3 around the phosphorylation site of Thr32
Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Specificity/Sensitivity: Histone H3 (phospho- Thr32) antibody detects endogenous levels of Histone H3 only when phosphorylated at Thr32.
Reactivity: Human,Mouse,Rat
Applications:
Predicted MW: 17 kd WB: 1:500~1:1000



Western blot analysis of extracts from Hela cells, untreated (-) or treated

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