



HistoneH3 (Phospho-Thr45) Antibody

#11580

Catalog Number: 11580-1, 11580-2

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°C/1 year

Immunogen: The antiserum was produced against synthesized phosphopeptide derived from human Histone H3 around the phosphorylation site of Thr45

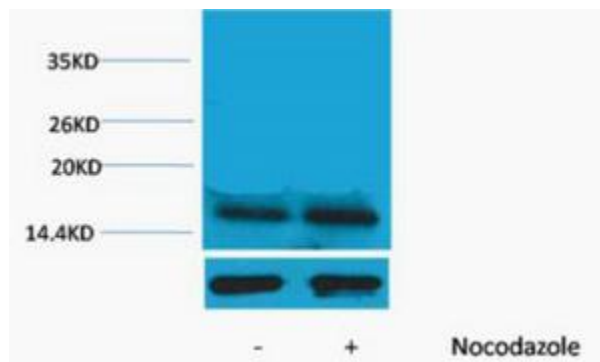
Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.

Specificity/Sensitivity: Histone H3 (phospho- Thr45) antibody detects endogenous levels of Histone H3 only when phosphorylated at Thr45.

Reactivity: Human, Mouse, Rat

Applications:

Predicted MW: 17 kd WB: 1:500~1:2000



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