



## HistoneH3 (Phospho-Thr118) Antibody

#11581

**Catalog Number:** 11581-1, 11581-2

**Amount:** 50µg/50µl, 100µg/100µl

**Swiss-Prot No. :** P68431

**Form of Antibody:** Rabbit IgG in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), 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 Thr118

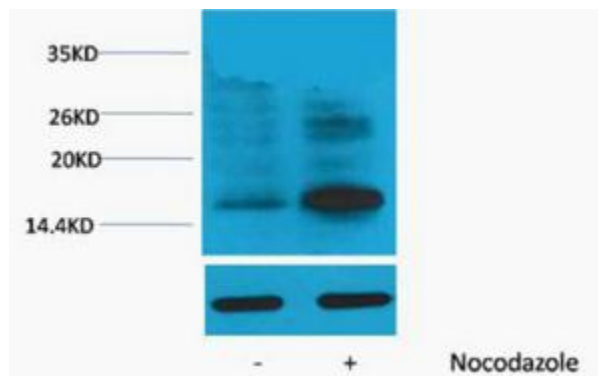
**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.

**Specificity/Sensitivity:** Histone H3 (phospho- Thr118) antibody detects endogenous levels of Histone H3 only when phosphorylated at Thr118.

**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