



Histone H3(Phospho Thr45) Rabbit Polyclonal Antibody

E12-234

Catalog Number: E12-234**Amount:** 100µg/100µl**Alternative Names:** H3 histone antibody, HIST1H3A antibody, Histone cluster 1, H3a antibody

Background: Histone H3 is one of the five main histone proteins involved in the structure of chromatin in eukaryotic cells. 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.

Form of Antibody: PBS, pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol.

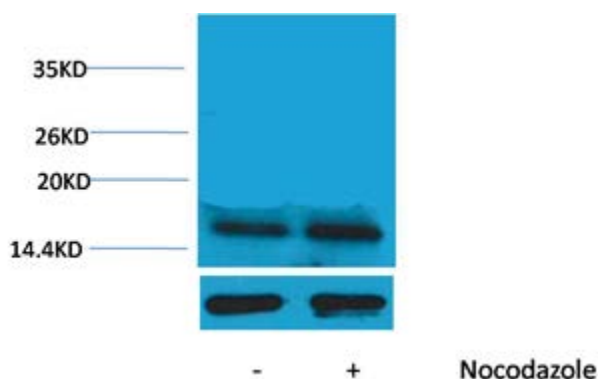
Storage/Stability: Store at -20°C/1 year. Do not aliquot the antibody.

Specificity/Sensitivity: The Histone H3(Phospho Thr45) Rabbit Polyclonal Antibody can detect endogenous Histone H3(Phospho Thr45) protein.

Reactivity: H, R, M

Applications: WB: 1:1,000

Molecular Weight: ~15-17KD



Western blot analysis of extracts from Hela cells, untreated (-) or treated with Nocodazole (1µg/ml, 24 hr; +), using Phospho-Histone H3 (Thr45) Rabbit pAb (upper) E12-2341:1000 and Histone H3 (1G1) Mouse mAb (lower) E12-055 1:2000.

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