

Polyclonal Antibody to Histone H3.1 (Phospho-Ser10)

Clonality :	Polyclonal
Application :	IHC, WB, IF
Reactivity :	Rat, Mouse, Human
Gene :	HIST1H3A
Gene ID :	8350
Uniprot ID :	P68431
Format :	Purified
Alternative Name :	H3/b H3FB
Isotype :	Rabbit IgG

Description

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. Dai J, et al. (2005) Genes Dev 19(4): 472-488. Yih LH, et al. (2005) Carcinogenesis 26(1): 53-63.

Product Info

Content :	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Predicted MW: 17kd, Western blotting: 1:500~1:1000, Immunohistochemistry: 1:50~1:100, Immunofluorescence: 1:100~1:200



