

## PHOSPHO-HISTONE H3 (SER10) RABBIT PAB

**Cat.#:** N225258

**Product Name:** Anti-Phospho-Histone H3 (Ser10) Rabbit pAb

**Synonyms:** H3 histone; family 3A; H3 histone; family 3B (H3.3B); H3.3A; H3.3B; H33; H3F3; H3F3A; H3F3B; Histone H3.3

**UNIPROT ID:** P68431

**Background:** H3 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.

**Immunogen:** Human Phospho-Histone H3(Ser10) synthetic peptide conjugated to KLH.

**Applications:** WB, ICC/IF

**Recommended Dilutions:** WB: 1/500-1/1000 IF: 1/50-1/200

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Clone ID:** -

**MW:** Calculated MW: 15 kDa; Observed MW: 15 kDa

**Isotype:** IgG

**Purification:** Affinity Purified

**Species Reactivity:** Human

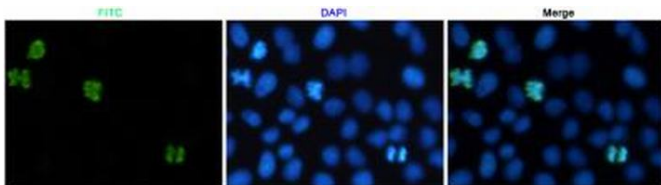
**Conjugation:** Unconjugated

**Modification:** Phosphorylated

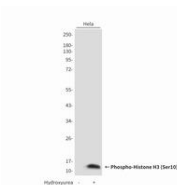
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

**Research Areas:** Epigenetics and Nuclear Signaling

**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



Immunofluorescence analysis of Phospho-Histone H3 (Ser10) in HeLa cells labeled using Phospho-Histone H3(Ser10) antibody, and DAPI (blue).



Western blot analysis of Phospho-Histone H3 (Ser10) in HeLa lysates, untreated or 1mM hydroxyurea treated for 5 hours, using Phospho-Histone H3(Ser10) antibody.