

Histone H3 (Phospho-Ser10/Thr11) Rabbit mAb

Catalog No: #52696

Package Size: #52696-1 50ul #52696-2 100ul

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Description

Product Name	Histone H3 (Phospho-Ser10/Thr11) Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	S08-6C4
Isotype	IgG
Purification	Affinity Purified
Applications	WB, ICC/IF, IHC
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic phosphopeptide corresponding to residues surrounding Ser10/Thr11 of human Histone H3
Conjugates	Unconjugated
Modification	Phosphorylated
Other Names	H3/A; H3C2; H3C3; H3C4; H3C6; H3C7; H3C8; H3FA; H3C10; H3C11; H3C12; HIST1H3A
Accession No.	Swiss-Prot:P68431GenelD:8350
Calculated MW	Predicted band size: 15 kDa
SDS-PAGE MW	Observed band size: 17kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

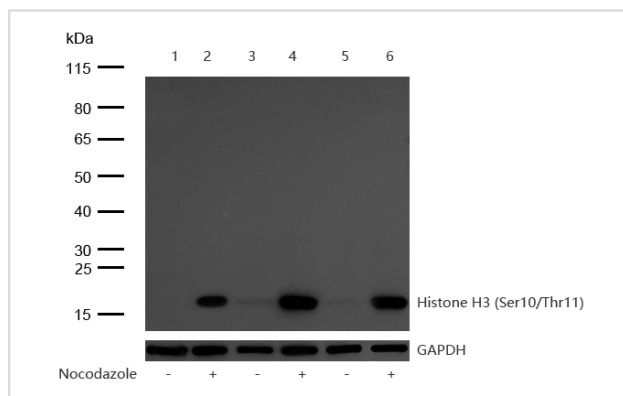
Application Details

WB: 1:500-1:2000

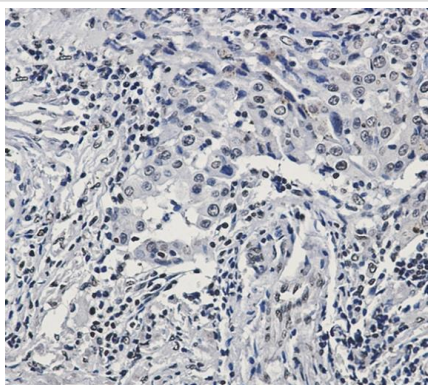
ICC/IF: 1:50-1:200

IHC: 1:50-1:200

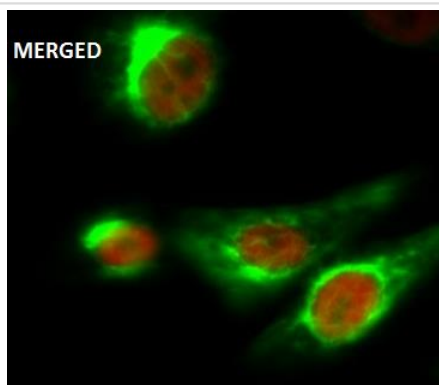
Images



All lanes : Histone H3 (Phospho-Ser10/Thr11) Rabbit mAb at 1/1k dilution
 Lane 1 : HeLa whole cell lysates
 Lane 2 : HeLa treated with 100 ng/ml Nocodazole for 12 hours whole cell lysates
 Lane 3 : 3T3 whole cell lysates
 Lane 4 : 3T3 treated with 100 ng/ml Nocodazole for 12 hours whole cell lysates
 Lane 5 : C6 whole cell lysates
 Lane 6 : C6 treated with 100 ng/ml Nocodazole for 12 hours whole cell lysates
 Lysates/proteins at 20 µg per lane.
 Secondary All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution
 Predicted band size: 15 kDa Observed band size: 17kDa
 Exposure time: 5 seconds



Formalin-fixed, paraffin-embedded human lung cancer tissue stained for Histone H3 (Phospho-Ser10/Thr11) using 52696 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/Immunofluorescence Histone H3 (Phospho-Ser10/Thr11) antibody (52696)
ICC/IF staining of Histone H3 (Phospho-Ser10/Thr11) in HeLa cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100. Samples were incubated with 52696 (red) at a working dilution of 1/100. β -Tubulin Monoclonal Antibody (green) was diluted at 1:200. Goat Anti Rabbit Alexa Fluor 647 was diluted at 1:1000. Goat Anti Mouse Alexa Fluor 488 was diluted at 1:1000.

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.