

IHCeasy Phospho-Histone H3 (Ser10) Ready-To-Use IHC Kit

Catalog Number: **KHC1439**

General Information

Sample type: FFPE tissue	Assay type: Immunohistochemistry
Cited sample type:	Primary antibody type: Mouse Monoclonal
Reactivity: Human	Secondary antibody type: Polymer-HRP-Goat anti-Mouse
Cited Reactivity:	

Kit Component

Component	Size	Concentration
Antigen Retrieval Buffer	100 mL	50×
Washing Buffer	100 mL ×2	20×
Blocking Buffer	5 mL	RTU
Primary Antibody	5 mL	RTU
Secondary Antibody	5 mL	RTU
Chromogen Component A	0.2 mL	RTU
Chromogen Component B	4 mL	RTU
Signal Enhancer	5 mL	RTU
Counter Staining Reagent	5 mL	RTU
Mounting Media	5 mL	RTU
Control Slide	1 slide (Optional)	FFPE
Datasheet	1 Copy	
Manual	1 Copy	

Storage Instructions

All the reagents are stored at 2-8°C. The kit is stable for 6 months from the date of receipt.

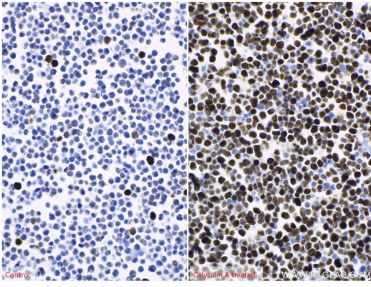
Background

Phospho-histone-H3 (PHH3) is a core histone protein, which in its phosphorylated state forms the principal constituents of eukaryotic chromatin, with histone H3 being phosphorylated at serine (Ser) 10 or Ser28 as well as its phosphorylation of Ser10 being strongly correlated with the late G2 to M-phase transition in mammalian mitotic cells. On the basis of previous research, a few cell line- and animal model-based researches have displayed an increase in phosphorylation of histone H3 at Ser10 (H3S10ph), the only histone marker that is involved in carcinogenesis and cellular transformation. Histone H3 phosphorylation on serine-10 is specific to mitosis and phosphorylated histone H3 (PHH3) proliferation markers (as counts defined per area or as indices defined per cell numbers) are increasingly being used to evaluate proliferation in various tumors.

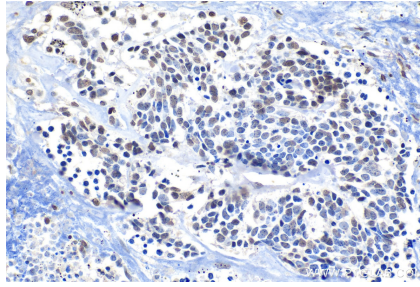
Synonyms

H3 S10, H3 Ser10, H3/A, H3FA, H3S10, HIST1H3A, histone, histone cluster 1, H3a, Histone H3.1, Histone H3/a, PHH3, Phospho-Histone H3 Ser10

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded Jurkat (left) and calyculin A treated Jurkat (right) cells slide using KHC1439 (Phospho-Histone H3 (Ser10) IHC Kit).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using KHC1439 (Phospho-Histone H3 (Ser10) IHC Kit).